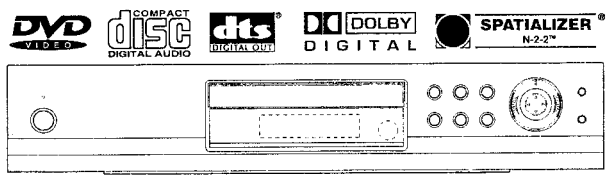
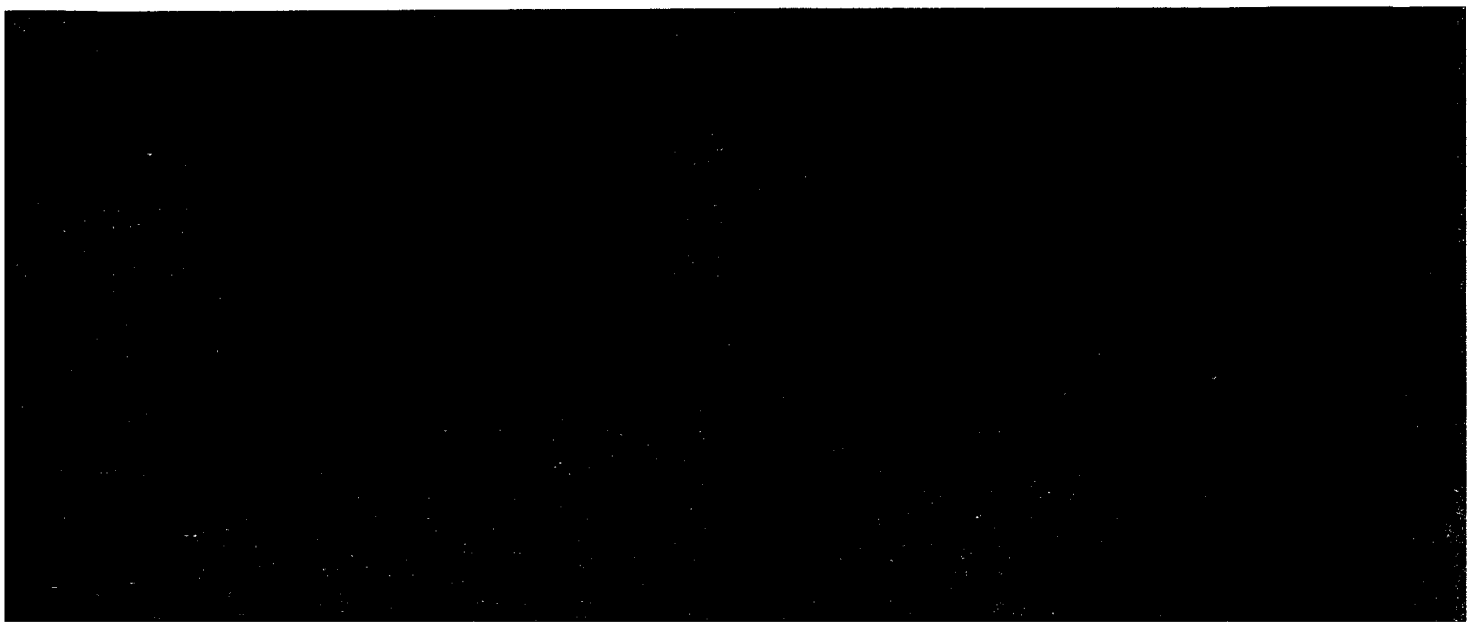
Sherwood

DVD VIDEO PLAYER
SERVICE MANUAL

MODELS : VD-4106/VD-4106G

CAUTION
BEFORE SERVICING THE UNIT, READ THE "SAFETY PRECAUTIONS" IN THIS MANUAL.





CONTENTS

SECTION 1 . . . .SUMMARY
SECTION 2 . . . .CABINET & MAIN CHASSIS
SECTION 3 . . . .ELECTRICAL
SECTION 4 . . . .MECHANISM
SECTION 5 . . . .REPLACEMENT PARTS LIST

SECTION 1

SUMMARY

CONTENTS

PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS 1-3
SERVICING PRECAUTIONS 1-4
- •General Servicing Precautions
- •Insulation Checking Prodedure
- •Electrostatically Sensitive Devices

SPECIFICATIONS 1-5
LOCATION OF CUSTOMER CONTROLS 1-6

PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS

CAUTION : DO NOT ATTEMPT TO MODIFY THIS PRODUCT IN ANY WAY, NEVER PERFORM CUSTOMIZED INSTALLATIONS WITHOUT MANUFACTURER'S APPROVAL. UNAUTHORIZED MODIFICATIONS WILL NOT ONLY VOID THE WARRANTY, BUT MAY LEAD TO YOUR BEING LIABLE FOR ANY RESULTING PROPERTY DAMAGE OR USER INJURY.

SERVICE WORK SHOULD BE PERFORMED ONLY AFTER YOU ARE THOROUGHLY FAMILIAR WITH ALL OF THE FOLLOWING SAFETY CHECKS AND SERVICING GUIDELINES. TO DO OTHERWISE, INCREASES THE RISK OF POTENTIAL HAZARDS AND INJURY TO THE USER.

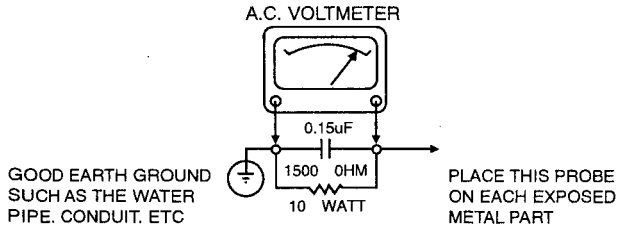
WHILE SERVICING, USE AN ISOLATION TRANSFORMER FOR PROTECTION FROM A.C. LINE SHOCK.

SAFETY CHECKS

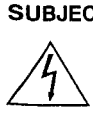
AFTER THE ORIGINAL SERVICE PROBLEM HAS BEEN CORRECTED. A CHECK SHOULD BE MADE OF THE FOLLOWING.

SUBJECT : FIRE & SHOCK HAZARD

1. BE SURE THAT ALL COMPONENTS ARE POSITIONED IN SUCH A WAY AS TO AVOID POSSIBILITY OF ADJACENT COMPONENT SHORTS. THIS IS ESPECIALLY IMPORTANT ON THOSE MODULES WHICH ARE TRANSPORTED TO AND FROM THE REPAIR SHOP.
2. NEVER RELEASE A REPAIR UNLESS ALL PROTECTIVE DEVICES SUCH AS INSULATORS, BARRIERS, COVERS, SHIELDS, STRAIN RELIEFS, POWER SUPPLY CORDS, AND OTHER HARDWARE HAVE BEEN REINSTALLED PER ORIGINAL DESIGN. BE SURE THAT THE SAFETY PURPOSE OF THE POLARIZED LINE PLUG HAS NOT BEEN DEFEATED.
3. SOLDERING MUST BE INSPECTED TO DISCOVER POSSIBLE COLD SOLDER JOINTS, SOLDER SPLASHES OR SHARP SOLDER POINTS. BE CERTAIN TO REMOVE ALL LOOSE FOREIGN PARTICLES.
4. CHECK FOR PHYSICAL EVIDENCE OF DAMAGE OR DETERIORATION TO PARTS AND COMPONENTS, FOR FRAYED LEADS, DAMAGED INSULATION (INCLUDING A.C. CORD), AND REPLACE IF NECESSARY. FOLLOW ORIGINAL LAYOUT, LEAD LENGTH AND DRESS.
5. NO LEAD OR COMPONENT SHOULD TOUCH A RECIVING TUBE OR A RESISTOR RATED AT 1 WATT OR MORE. LEAD TENSION AROUND PROTRUDING METAL SURFACES MUST BE AVOIDED.
6. ALL CRITICAL COMPONENTS SUCH AS FUSES, FLAMEPROOF RESISTORS, CAPACITORS, ETC. MUST BE REPLACED WITH EXACT FACTORY TYPES, DO NOT USE REPLACEMENT COMPONENTS OTHER THAN THOSE SPECIFIED OR MAKE UNRECOMMENDED CIRCUIT MODIFICATIONS.
7. AFTER RE-ASSEMBLY OF THE SET ALWAYS PERFORM AN A.C. LEAKAGE TEST ON ALL EXPOSED METALLIC PARTS OF THE CABINET, (THE CHANNEL SELECTOR KNOB, ANTENNA TERMINALS. HANDLE AND SCREWS) TO BE SURE THE SET IS SAFE TO OPERATE WITHOUT DANGER OF ELECTRICAL SHOCK. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST USE AN A.C. VOLTMETER, HAVING 5000 OHMS PER VOLT OR MORE SENSITIVITY, IN THE FOLLOWING MANNER; CONNECT A 1500 OHM 10 WATT RESISTOR, PARALLELED BY A .15 MFD. 150.V A.C TYPE CAPACITOR BETWEEN A KNOWN GOOD EARTH GROUND (WATER PIPE, CONDUIT, ETC.) AND THE EXPOSED METALLIC PARTS, ONE AT A TIME. MEASURE THE A.C. VOLTAGE ACROSS THE COMBINATION OF 1500 OHM RESISTOR AND .15 MFD CAPACITOR. REVERSE THE A.C. PLUG AND REPEAT A.C. VOLTAGE MEASUREMENTS FOR EACH EXPOSED METALLIC PART. VOLTAGE MEASURED MUST NOT EXCEED 75 VOLTS R.M.S. THIS CORRESPONDS TO 0.5 MILLIAMP A.C ANY VALUE EXCEEDING THIS LIMIT CONSTITUTES A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED IMMEDIATELY.


A.C. VOLTMETER
0.15uF
1500 OHM
10 WATT
GOOD EARTH GROUND SUCH AS THE WATER PIPE. CONDUIT. ETC
PLACE THIS PROBE ON EACH EXPOSED METAL PART

SUBJECT: GRAPHIC SYMBOLS



THE LIGHTNING FLASH WITH APROWHEAD SYMBOL. WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK.

THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE SERVICE PERSONNEL TO THE PRESENCE OF IMPORTANT SAFETY INFORMATION IN SERVICE LITERATURE.

SUBJECT : X-RADIATION

1. BE SURE PROCEDURES AND INSTRUCTIONS TO ALL SERVICE PERSONNEL COVER THE SUBJECT OF X-RADIATION. THE ONLY POTENTIAL SOURCE OF X-RAYS IN CURRENT T.V. RECEIVERS IS THE PICTURE TUBE. HOWEVER, THIS TUBE DOES NOT EMIT X-RAYS WHEN THE HIGH VOLTAGE IS AT THE FACTORY SPECIFIED LEVEL. THE PROPER VALUE IS GIVEN IN THE APPLICABLE SCHEMATIC. OPERATION AT HIGHER VOLTAGES MAY CAUSE A FAILURE OF THE PICTURE TUBE OR HIGH VOLTAGE SUPPLY AND, UNDER CERTAIN CIRCUMSTANCES, MAY PRODUCE RADIATION IN EXCESS OF DESIRABLE LEVELS.
2. ONLY FACTORY SPECIFIED C.R.T. ANODE CONNECTORS MUST BE USED. DEGAUSSING SHIELDS ALSO SERVE AS AN X-RAY SHIELD IN COLOR SETS, ALWAYS RE-INSTALL THEM.
3. IT IS ESSNTIAL THAT SERVICE PERSONNEL HAVE AVAILABLE AN ACCURATE AND RELIABLE HIGH VOLTAGE METER. THE CALIBRATION OF THE METER SHOULD BE CHECKED PERIODICALLY AGAINST A REFERENCE STANDARD, SUCH AS THE ONE AVAILABLE AT YOUR DISTRIBUTOR.
4. WHEN THE HIGH VOLTAGE CIRCUITRY IS OPERATING PROPERLY THERE IS NO POSSIBILITY OF AN X-RADIATION PROBLEM. EVERY TIME A COLOR CHASSIS IS SERVICED. THE BRIGHTNESS SHOULD BE RUN UP AND DOWN WHILE MONITORING THE HIGH VOLTAGE WITH A METER TO BE CERTAIN THAT THE HIGH VOLTAGE DOES NOT EXCEED THE SPECIFIED VALUE AND THAT IT IS REGULATING CORRECTLY. WE SUGGEST THAT YOU AND YOUR SERVICE ORGANIZATION REVIEW TEST PROCEDURES SO THAT VOLTAGE REGULATION IS ALWAYS CHECKED AS A STANDARD SERVICING PROCEDURE AND THAT THE HIGH VOLTAGE READING BE RECORDED ON EACH CUSTOMER'S INVOICE.
5. WHEN TROUBLESHOOTING AND MAKING TEST MEASUREMENTS IN A PRODUCT WITH A PROBLEM OF EXCESSIVE HIGH VOLTAGE, AVOID BEING UNNECESSARILY CLOSE TO THE PICTURE TUBE AND THE HIGH VOLTAGE SUPPLY. DO NOT OPERATE THE PRODUCT LONGER THAN IT IS NECESSARY TO LOCATE THE CAUSE OF EXCESSIVE VOLTAGE.
6. REFER TO HV. B+ AND SHUTDOWN ADJUSTMENT PROCEDURES DESCRIBED IN THE APPROPRIATE SCHEMATIC AND DIAGRAMS (WHERE USED).

SUBJECT: IMPLOSION

1. ALL DIRECT VIEWED PICTURE TUBES ARE EQUIPPED WITH AN INTEGRAL IMPLOSION PROTECTION SYSTEM, BUT CARE SHOULD BE TAKEN TO AVOID DAMAGE DURING INSTALLATION, AVOID SCRATCHING THE TUBE. IF SCRATCHED REPLACE IT.
2. USE ONLY RECOMMENDED FACTORY REPLACEMENT TUBES.

SUBJECT : TIPS ON PROPER INSTALLATION

1. NEVER INSTALL ANY PRODUCT IN A CLOSED-IN RECESS, CUBBYHOLE OR CLOSELY FITTING SHELF SPACE, OVER OR CLOSE TO HEAT DUCT, OR IN THE PATH OF HEATED AIR FLOW.
2. AVOID CONDITIONS OF HIGH HUMIDITY SUCH AS: OUTDOOR PATIO INSTALLATIONS WHERE DEW IS A FACTOR, NEAR STEAM RADIATORS WHERE STEAM LEAKAGE IS A FACTOR, ETC.
3. AVOID PLACEMENT WHERE DRAPERIES MAY OBSTRUCT REAR VENTING. THE CUSTOMER SHOULD ALSO AVOID THE USE OF DECORATIVE SCARVES OR OTHER COVERINGS WHICH MIGHT OBSTRUCT VENTILATION.
4. WALL AND SHELF MOUNTED INSTALLATIONS USING A COMMERCIAL MOUNTING KIT, MUST FOLLOW THE FACTORY APPROVED MOUNTING INSTRUCTIONS. A PRODUCT MOUNTED TO A SHELF OR PLATFORM MUST RETAIN ITS ORIGINAL FEET (OR THE EQUIVALENT THICKNESS IN SPACERS) TO PROVIDE ADEQUATE AIR FLOW ACROSS THE BOTTOM. BOLTS OR SCREWS USED FOR FASTENERS MUST NOT TOUCH ANY PARTS OR WIRING. PERFORM LEAKAGE TEST ON CUSTOMIZED INSTALLATIONS.
5. CAUTION CUSTOMERS AGAINST THE MOUNTING OF A PRODUCT ON SLOPING SHELF OR A TILTED POSITION, UNLESS THE PRODUCT IS PROPERLY SECURED.
6. A PRODUCT ON A ROLL-ABOUT CART SHOULD BE STABLE ON ITS MOUNTING TO THE CART. CAUTION THE CUSTOMER ON THE HAZARDS OF TRYING TO ROLL A CART WITH SMALL CASTERS ACROSS THRESHOLDS OR DEEP PILE CARPETS.
7. CAUTION CUSTOMERS AGAINST THE USE OF A CART OR STAND WHICH HAS NOT BEEN LISTED BY UNDERWRITERS LABORATORIES, INC. FOR USE WITH THEIR SPECIFIC MODEL OF TELEVISION RECEIVER OR GENERICALLY APPROVED FOR USE WITH T.V.'S OF THE SAME OR LARGER SCREEN SIZE.
8. CAUTION CUSTOMERS AGAINST THE USE OF EXTENSION CORDS. EXPLAIN THAT A FOREST OF EXTENSIONS SPROUTING FROM A SINGLE OUTLET CAN LEAD TO DISASTROUS CONSEQUENCES TO HOME AND FAMILY.

SERVICING PRECAUTIONS

CAUTION : Before servicing the DVD covered by this service data and its supplements and ADDENDUMS, read and follow the *SAFETY PRECAUTIONS. NOTE* : if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publications, always follow the safety precautions.
Remember Safety First:

General Servicing Precautions

1. Always unplug the DVD AC power cord from the AC power source before:
   (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
   (2) Disconnection or reconnecting any internal electrical plug or other electrical connection.
   (3) Connecting a test substitute in parallel with an electrolytic capacitor.
   Caution : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this DVD or any of its assemblies.

3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cotton-tipped swab, or comparable soft applicator.
   Unless specified otherwise in this service data, lubrication of contacts is not required.

4. Do not defeat any plug/socket B+ voltage interlocks with whitch instruments covered by this service manual might be equipped.

5. Do not apply AC power to this DVD and/or any of its electrical assemblies unless all solid-state device heat sinks are cerrectly installed.

6. Always connect test instrument ground lead to the appropriate ground before connection the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.

Note 1 : Accessible Conductive Parts including Metal panels, Input terminals, Earphone jacks, etc.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor chip components.
The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a GROUNDED-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device. Some solder removal devices not classified a "anti-static" can generate electrical charges sufficient to damage ES devices.

5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protec tive package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SPECIFICATIONS

DVD VIDEO PLAYER

Power supply	120V, 60Hz
Power consumtion	16W
Mass	3.2kg(7.1lbs)
External dimensions	430 x 88 x 215 (W x H x D)
Signal system	NTSC
Laser	Semiconductor laser, wavelength 650nm
Frequency range (digital audio)	4Hz to 20kHz
Signal-to-noise ratio (digital audio)	More than 100dB (EIAJ)
Audio dynamic range (digital audio)	More than 95dB (EIAJ)
Harmonic distortion(digital audio)	0.008%
Wow and flutter	Below measurable level (less than +0.001%(W.PEAK)) (EIAJ)
Operations	Temperature : 5°C(41°F) to 35°C(95°F), Operation status : Horizontal

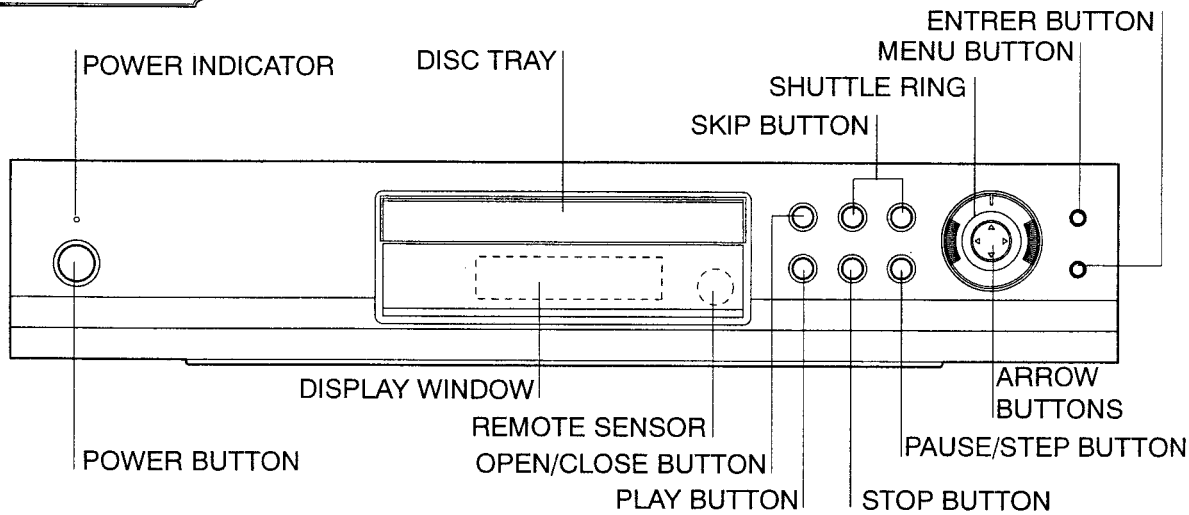
OUTPUTS

Video outputs	1.0V(p-p), 75Ω, negative sync., RCA jack x 1
S video outputs	(Y)1.0V(p-p), 75Ω, negative sync.,Mini DIN 4-pin x 1 (C)0.286V(p-p), 75Ω
Component video output	(Y)1.0V(p-p), 75Ω,negative sync., RCA jack x 1 (Pb)/(Pr) 0.7V(p-p), 75Ω
Audio output(digital audio)	0.5V(p-p), 75Ω, RCA jack x 1
Audio output(optical audio)	Optical connector x 1
Audio output(analog audio)	2.0Vrms (1kHz, 0dB), 330Ω, RCA jack (L, R) x 2

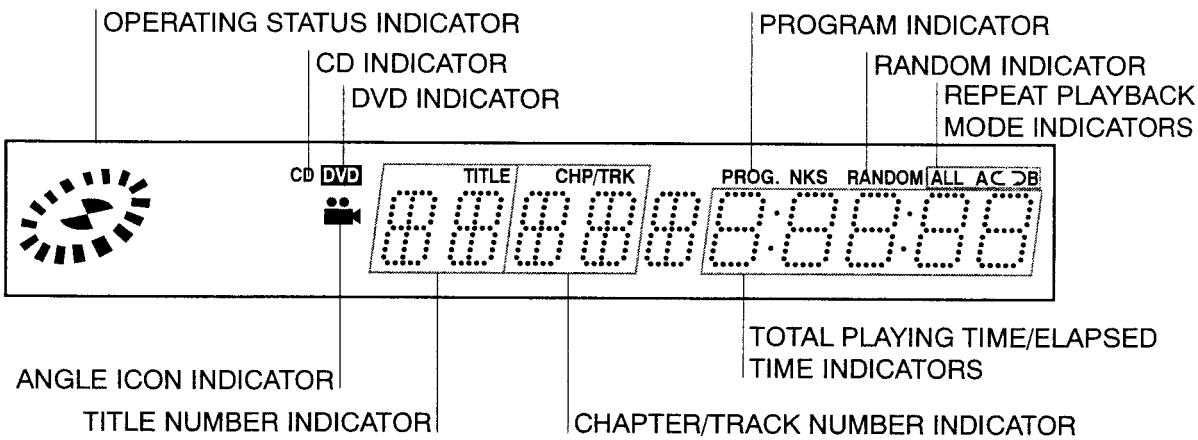
*Designs and specifications are subject to change without notice.
*Weight and dimensions shown are approximate.

LOCATION OF CUSTOMER CONTROLS

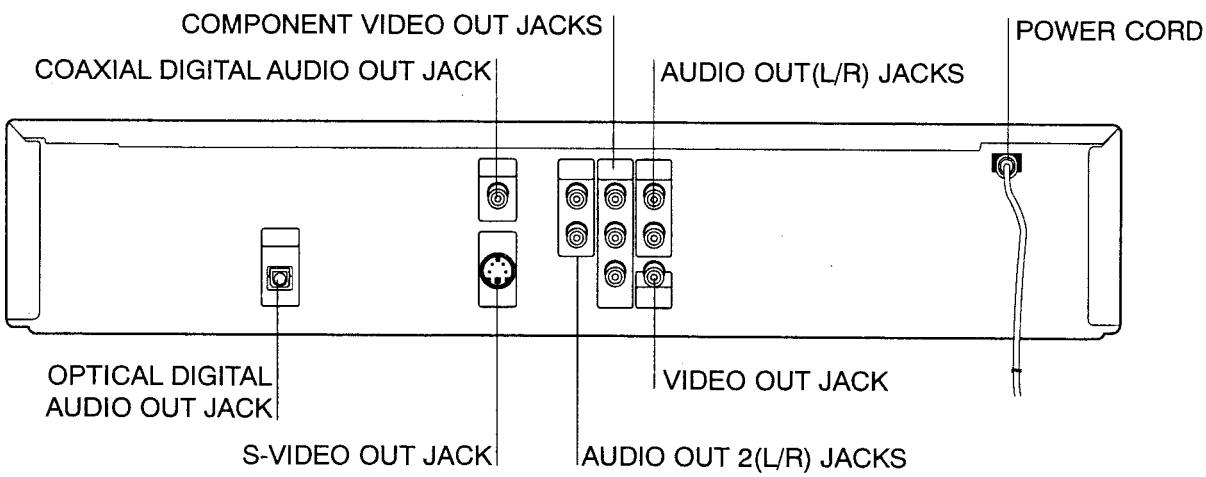
FRONT PANEL



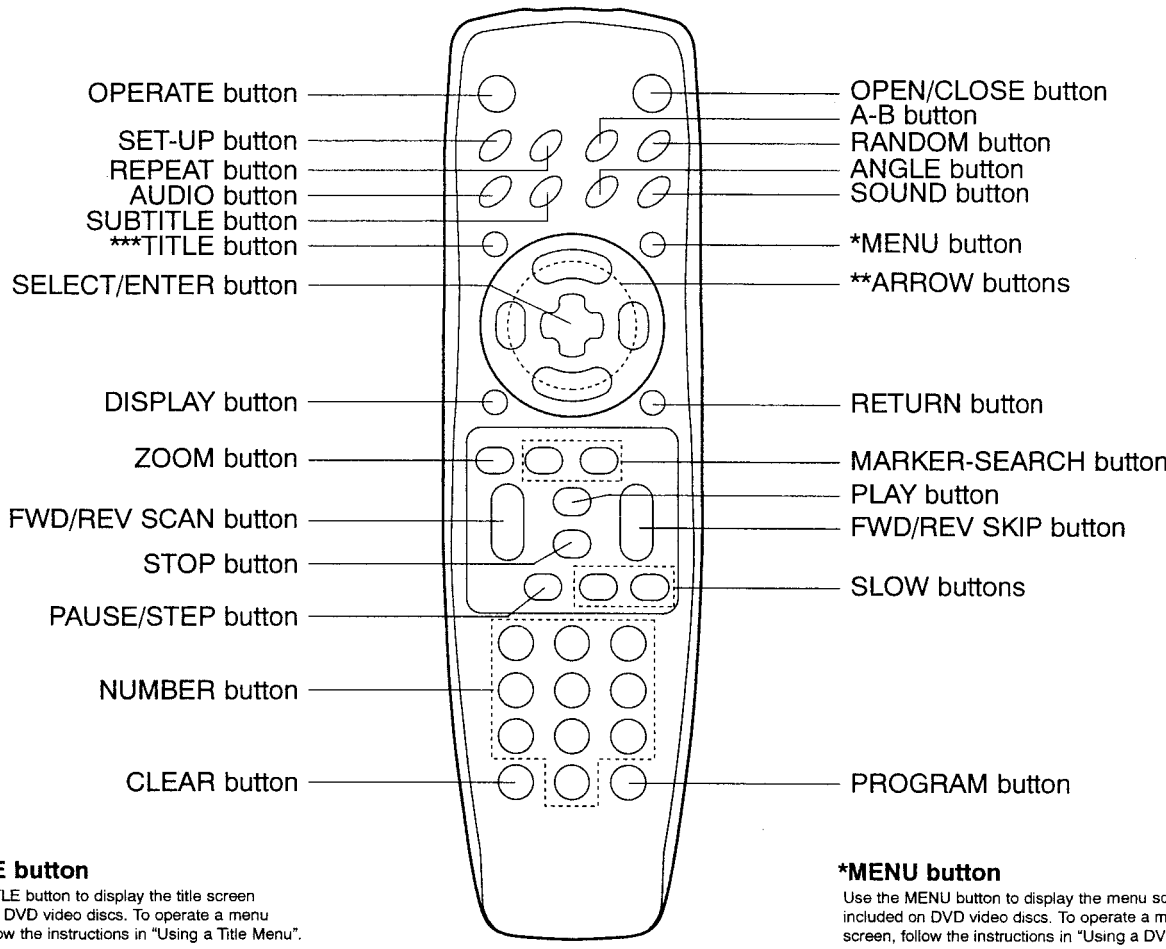
DISPLAY WINDOW



REAR PANEL



REMOTE CONTROL



*****TITLE button**

Use the TITLE button to display the title screen included on DVD video discs. To operate a menu screen, follow the instructions in "Using a Title Menu".

***MENU button**

Use the MENU button to display the menu screen included on DVD video discs. To operate a menu screen, follow the instructions in "Using a DVD Menu".

****Directional arrow buttons**

(up, down, left, right) for use in highlighting a selection on a GUI menu screen, TITLE and MENU screen.

SECTION 2

CABINET & MAIN CHASSIS

CONTENTS

1. DISASSEMBLY 2-2
   CABINET DISASSEMBLY 2-2
   CIRCUIT BOARD DISASSEMBLY 2-3
2. EXPLODED VIEWS 2-4
   1. Cabinet and Main Frame Section 2-4
   2. Packing Accessory Section 2-6
   3. Remote Control Section 2-6

DISASSEMBLY

CAUTION BEFORE STARTING SERVICING

Electronic parts are susceptible to static electricity and may easily damaged, so do not forget to take a proper grounding treatment as required.

Many screws are used inside the unit. To prevent missing, dropping, etc. of the screws, always use a magnetized screw driver in servicing. Several kinds of screws are used and some of them need special cautions. That is, take care of the tapping screws securing molded patrs and fine pitch screws used to secure metal parts. If they are used improperly, the screw holes will be easily damaged and the parts can not be fixed.

CABINET DISASSEMBLY

1. Top Case

1. Release 7 screws (A). (See Fig. 2-1)
2. Lift the top case with holding the back of it, and remove it in the direction of the arrow

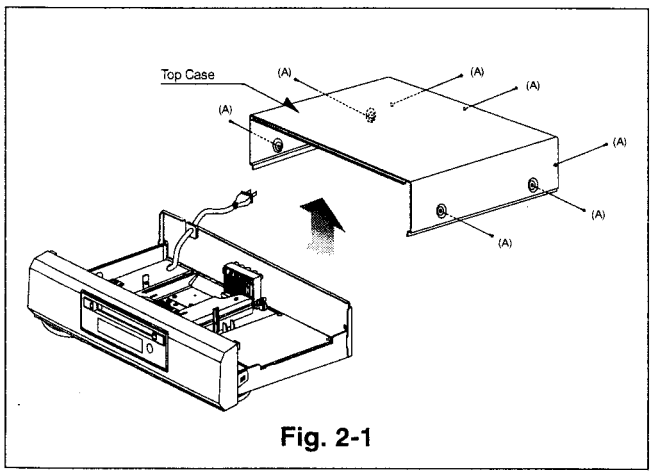


Fig. 2-1

2. Tray Door

1. Eject the disc tray.
2. Lift up the tray door in the direction of the arrow.

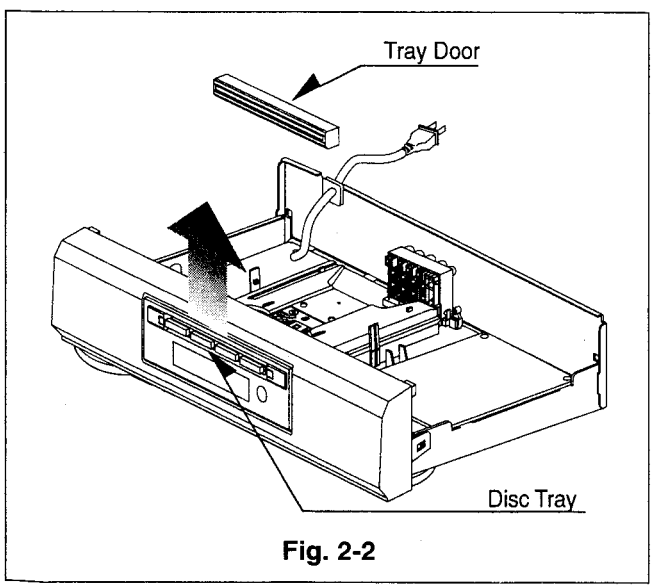


Fig. 2-2

3. Front Panel

1. Eject the disc tray. (See Fig. 2-2)
2. Remove the tray door. (See Fig. 2-2)
3. Release 2 screws (B).
4. Pull the front panel toward you while pressing 7 stoppers to disengage, and remove the front panel. (See Fig. 2-3)

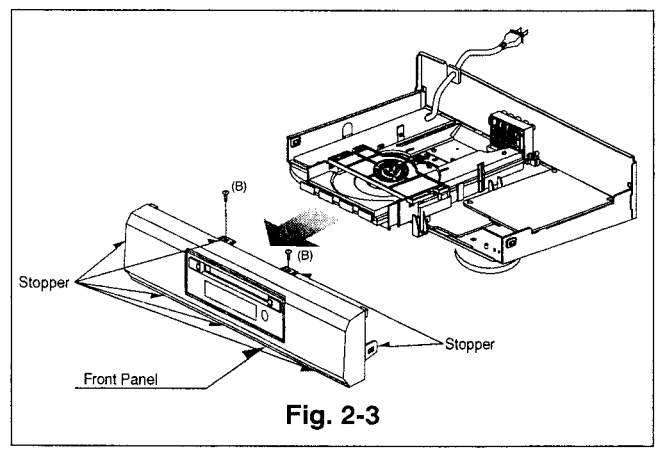


Fig. 2-3

CIRCUIT BOARD DISASSEMBLY

Note: Before removing the main circuit board, be sure to shortcircuit the laserdiode output land. After replacing the main circuit board, open the land after inserting the flexible connector. (Refer to Mechanism Disassembly)

1. Disassembling of Main Circuit Board and Interface Board

1. Remove the top case.(See Fig. 2-1)
2. Remove 12 screw (C).
3. Remove the deck from Main Circuit Board.
4. Remove Main Circuit Board from Interface Board.
5. Remove 2 screw (D).
6. Remove Interface Board from the chassis.

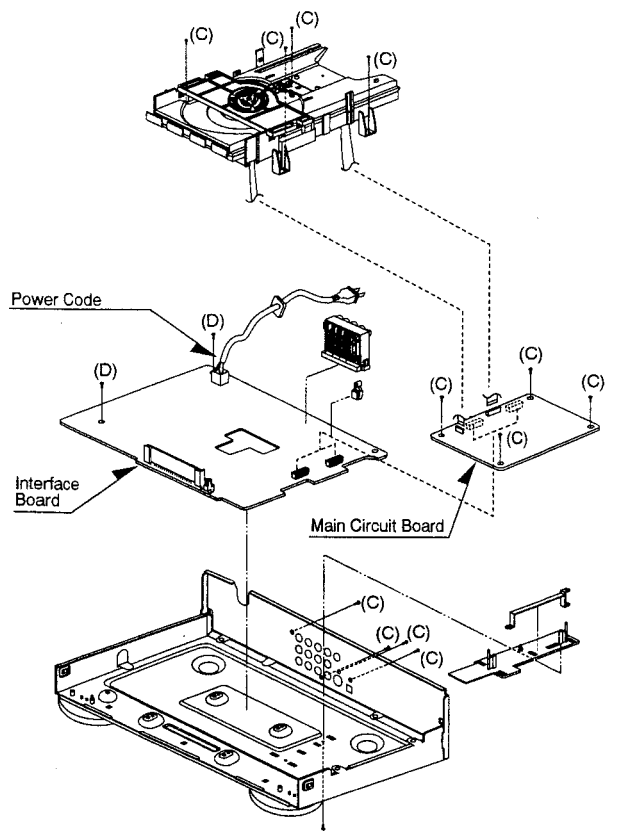


Fig. 2-4

2. Digitron and Key Circuit Board

1. Remove the front panel.(See Fig. 2-3)
2. Release 4 screws (E), and remove the digitron circuit board.

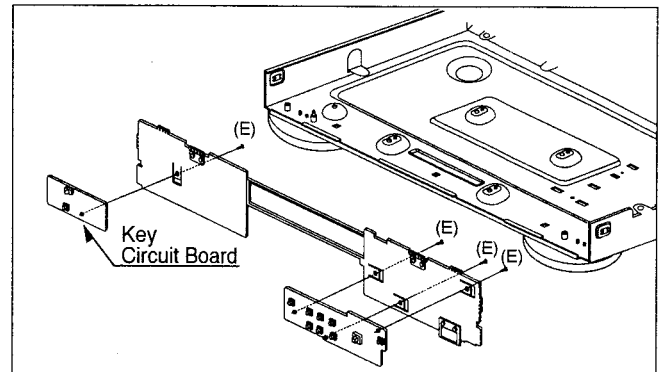
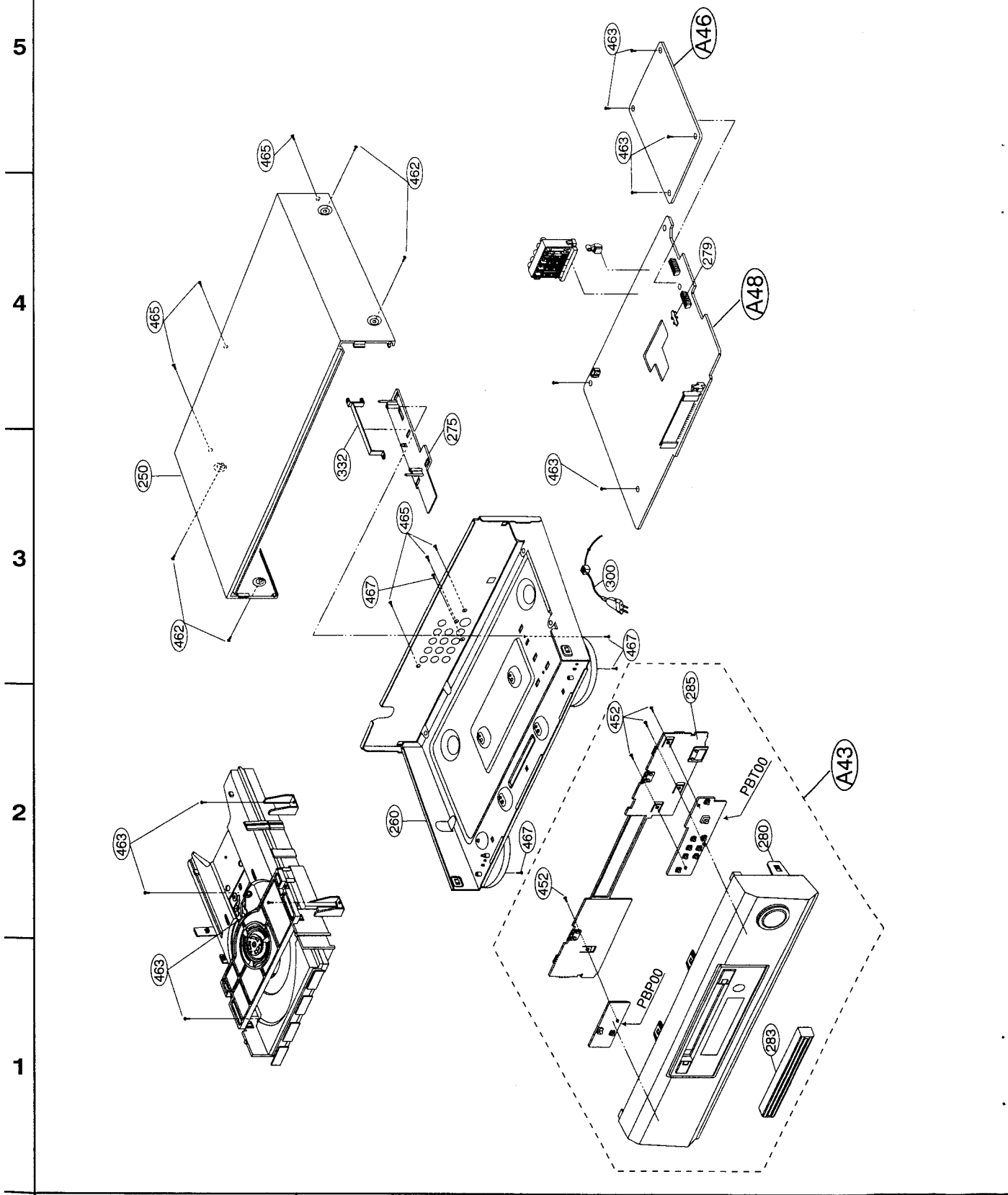


Fig. 2-5

EXPLODED VIEWS

1. Cabinet and Main Frame Section



• Cabinet and Main Frame Section

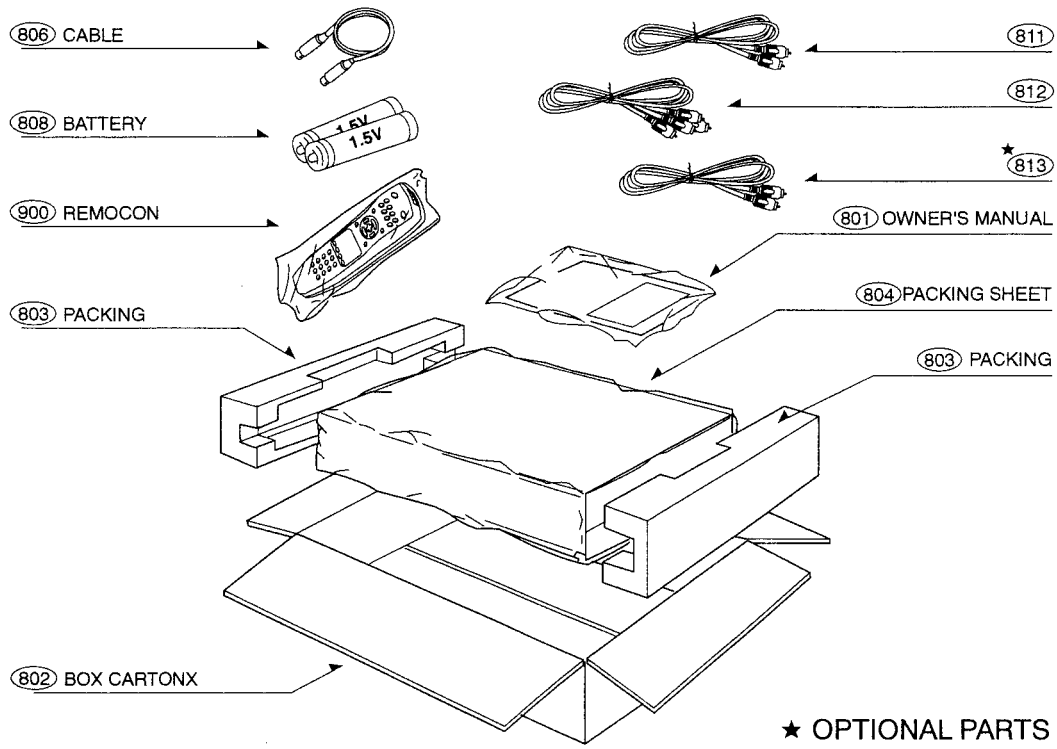
(VD-4106)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
				ASSEMBLY PARTS SECTION		
		A43	3501R-0185A	BOARD ASSY	FRONT (ADVD3640ND 1UH1K)	
		A46	6871R-2090H	PWB(PCB) ASSY,TOTAL	ADVD3340ND 1ML1L MAXICO MAIN T	
		A48	6871R-2993S	PWB(PCB) ASSY,TOTAL	ADVD3640ND 1UH1K IO TOTAL	
				PARTS SECTION		
		250	3110R-0184E	CASE	TOP(DVD-3500 BLACK S11-255-20)	
		260	3141R-0028Q	CHASSIS ASSY	MAIN (ADVD3640ND 1UH1)	NSP
		275	4930R-0183A	HOLDER	MAIN PCB	
		279	4930R-0199A	HOLDER	CONNECTOR	
		280	3721R-F185A	PANEL ASSY,FRONT	DVD3640ND 1UH1K (VD-4106) HAIT	
		283	3790R-D115A	WINDOW	DECORATION (DVD3600) GRAY PRIN	
		285	3301R-M009A	PLATE ASSY	SHIELD(DVD3600)INKEL	
		300	6410RAHS02A	POWER CORD	AP-10W NI SP2 CORE 80 STP SANG	
		332	3300R-M018A	PLATE	MAIN GND(DVD-3000 SUS-0.2T)	
				SCREW		
		452	353-051A	SCREW	SPECIAL	
		462	353-085A	SCREW,	DECORATION	
		463	353-051B	SCREW	SPECIAL	
		465	353-046K	SCREW	SPECIAL (3X10 B.K)	
		467	353-046N	SCREW,	SPECIAL(3X8 BK.)	

(VD-4106G)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
				ASSEMBLY PARTS SECTION		
		A43	3501R-0185B	BOARD ASSY	FRONT (ADVD3640ND 1UH1G)	
		A46	6871R-2090H	PWB(PCB) ASSY,TOTAL	ADVD3340ND 1ML1L MAXICO MAIN T	
		A48	6871R-2993S	PWB(PCB) ASSY,TOTAL	ADVD3640ND 1UH1K IO TOTAL	
				PARTS SECTION		
		250	3110R-0184F	CASE	TOP(DVD-3500 GOLD S33-940-E37)	
		260	3141R-0028Q	CHASSIS ASSY	MAIN (ADVD3640ND 1UH1)	NSP
		275	4930R-0183A	HOLDER	MAIN PCB	
		279	4930R-0199A	HOLDER	CONNECTOR	
		280	3721R-F185B	PANEL ASSY,FRONT	DVD3640ND 1UH1G (VD-4106G) HAI	
		283	3581R-T008B	DOOR ASSY	TRAY (DVD-3600) GOLD	
		285	3301R-M009A	PLATE ASSY	SHIELD(DVD3600)INKEL	
		300	6410RAHS02A	POWER CORD	AP-10W NI SP2 CORE 80 STP SANG	
		332	3300R-M018A	PLATE	MAIN GND(DVD-3000 SUS-0.2T)	
				SCREW		
		452	353-051A	SCREW	SPECIAL	
		462	353-085A	SCREW,	DECORATION	
		463	353-051B	SCREW	SPECIAL	
		465	353-046K	SCREW	SPECIAL (3X10 B.K)	
		467	353-046N	SCREW,	SPECIAL(3X8 BK.)	

2.Packing Accessory Section



• Packing Accessory Section Part List

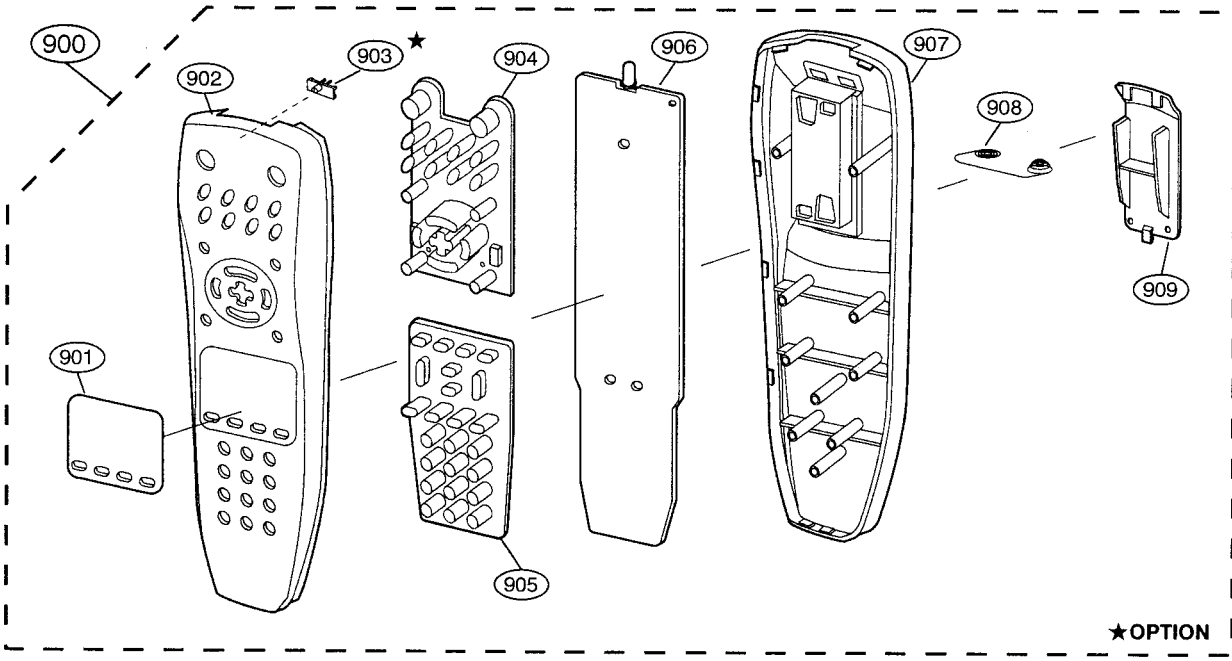
(VD-4106)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	3835RS0015H	INSTRUCTION ASSY	ADVD3640ND 1UH1G/K	
		802	3890R-H300G	BOX	ADVD3640ND 1UH1K SW3-A 1.034 2	
		803	3920R-E003A	PACKING	DVD-3000 0.02 80 EPS 10 943 18	
		804	3858R-S001A	SHEET (MECH)	LDPE 600M 630MM 0.5 VCR_DVD	NSP
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-520G	CABLE ASSY	DVD-2250N	
		811	564-017B	PLUG ASSY	PHONO CORD 1WAY (YL)	
		812	564-018B	PLUG ASSY	PHONO CORD 2WAY (RD/WH)	

(VD-4106G)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	3835RS0015H	INSTRUCTION ASSY	ADVD3640ND 1UH1G/K	
		802	3890R-H300J	BOX	ADVD3641ND 1UH1G SW3-A 1.034 2	
		803	3920R-E003A	PACKING	DVD-3000 0.02 80 EPS 10 943 18	
		804	3858R-S001A	SHEET (MECH)	LDPE 600M 630MM 0.5 VCR_DVD	NSP
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-520G	CABLE ASSY	DVD-2250N	
		811	564-017B	PLUG ASSY	PHONO CORD 1WAY (YL)	
		812	564-018B	PLUG ASSY	PHONO CORD 2WAY (RD/WH)	

3.Remote Control Section



• Remote Control Section Part List

(VD-4106)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	6711R2N010T	REMOTE CONTROLLER ASSY	D1(ADVD3640ED 1UH1)	

(VD-4106)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	6711R2N010T	REMOTE CONTROLLER ASSY	D1(ADVD3640ED 1UH1)	

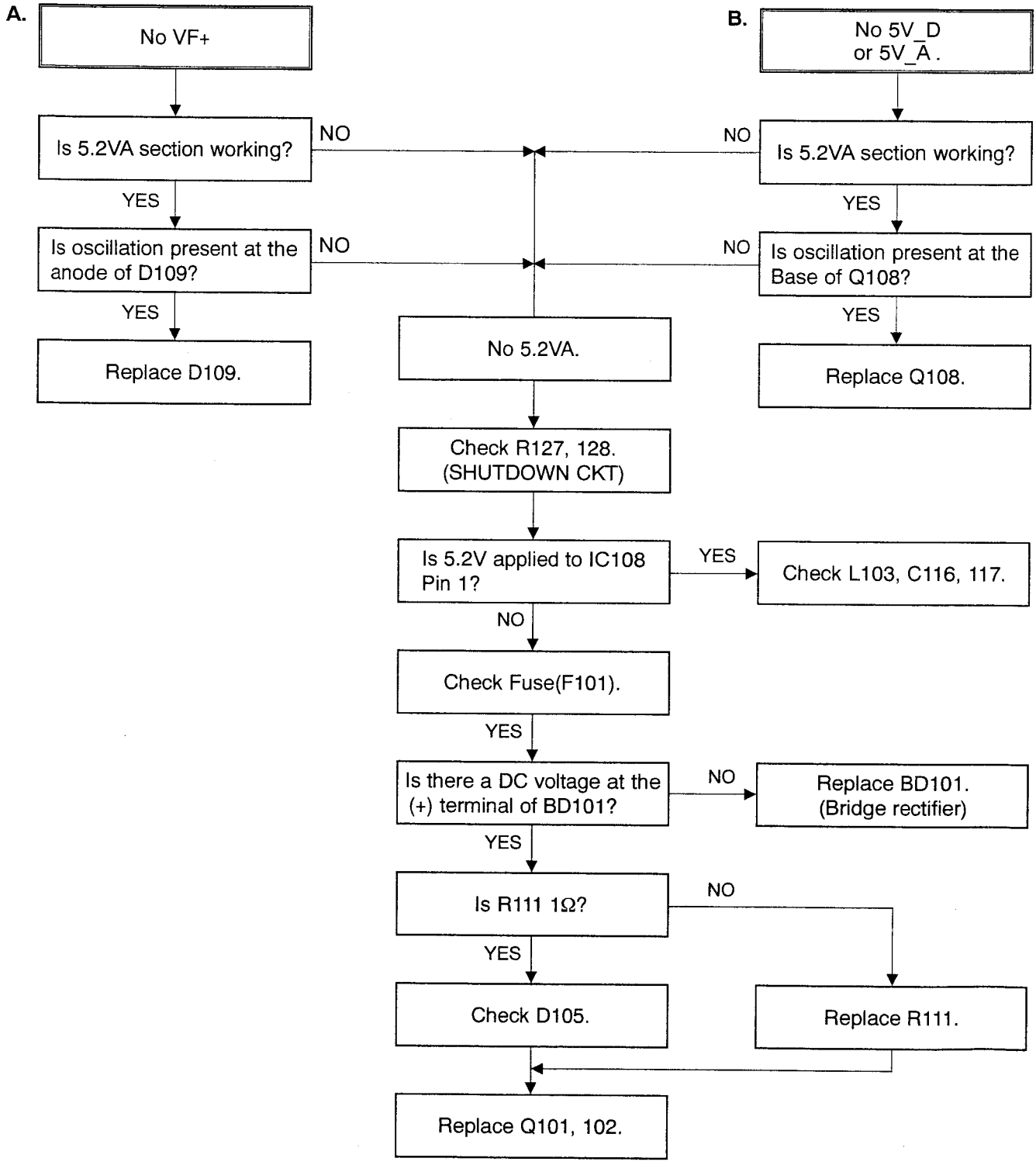
SECTION 3
ELECTRICAL

CONTENTS

ELECTRICAL TROUBLESHOOTING GUIDE 3-2
1. Power(SMPS) Circuit 3-2
2. μ-com Circuit 3-3
3. MPEG Circuit 3-6
4. Front Circuit(Digitron & Key) 3-7
5. RF/Servo Circuit 3-8
BLOCK DIAGRAMS 3-12
1. Overall Block Diagram 3-12
2. Power (SMPS) Block Diagram 3-13
3. RF/CD DSP/DVD DSP/DVD servo Block Diagram 3-14
4. Audio Block Diagram 3-15
5. MPEG Block Diagram 3-16
6. μ-COM Block Diagram 3-17
CIRCUIT DIAGRAMS 3-18
1. Power (SMPS) Circuit Diagram 3-18
2. DVD DSP Circuit Diagram 3-20
3. Drive & RF Circuit Diagram 3-22
4. MPEG Circuit Diagram 3-24
• WAVEFORMS 3-26
5. Audio DM & 5.1CH Circuit Diagram 3-28
6. μ-COM/Expander 3-30
7. DIGITRON & Key Circuit Diagram 3-32
8. Jack Circuit Diagram 3-34
PRINTED CIRCUIT DIAGRAMS 3-36
1. MAIN P.C.BOARD 3-36
2. POWER,A/V,FRONT P.C.BOARD 3-38
3. KEY P.C.BOARD 3-40
4. POWER LED P.C.BOARD 3-41

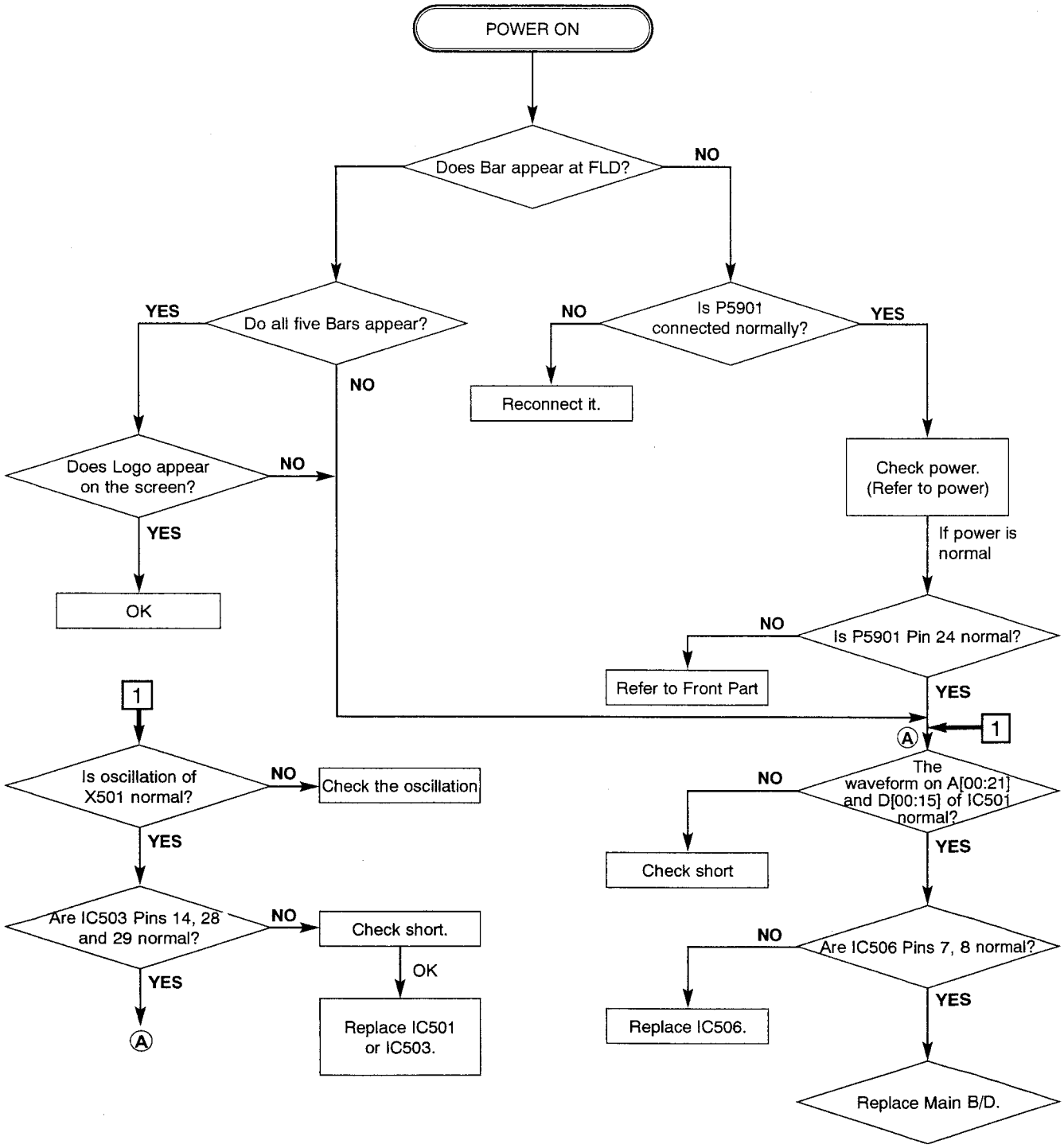
ELECTRICAL TROUBLESHOOTING GUIDE

1. Power(SMPS) Circuit

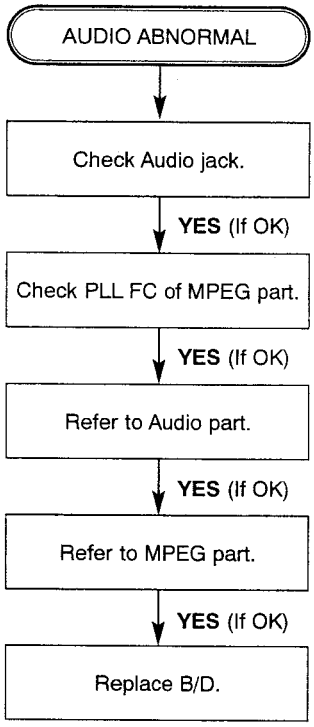


2. μ-COM Circuit

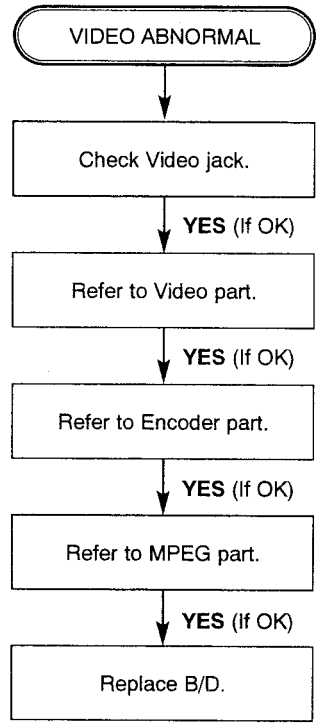
A. No Power



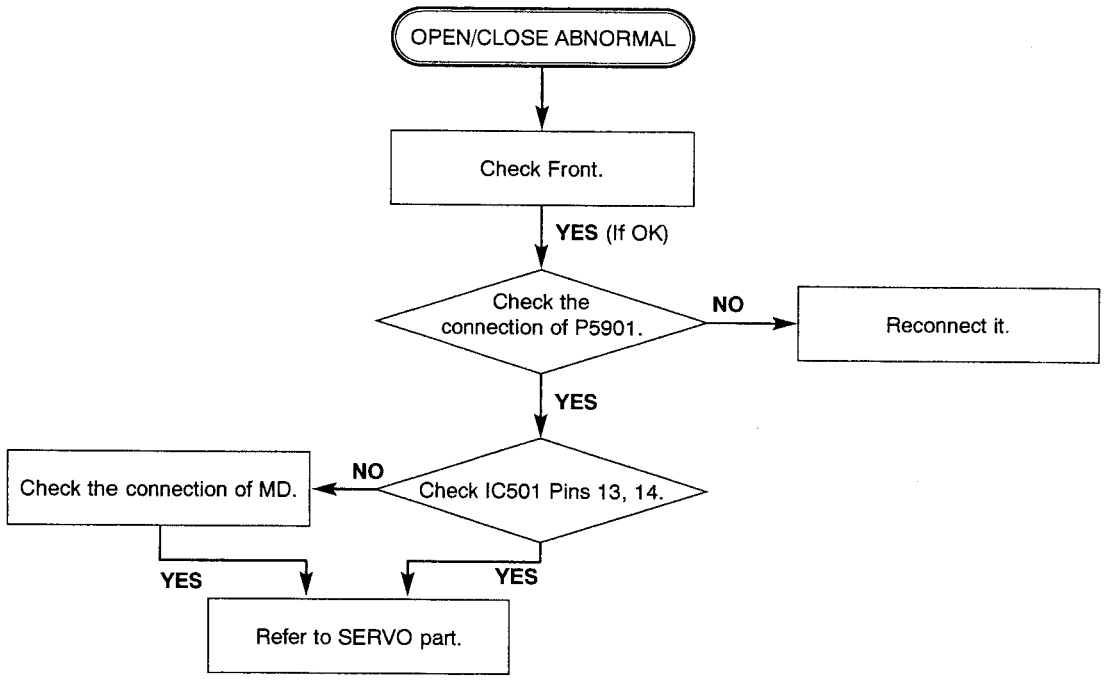
B. Audio abnormal



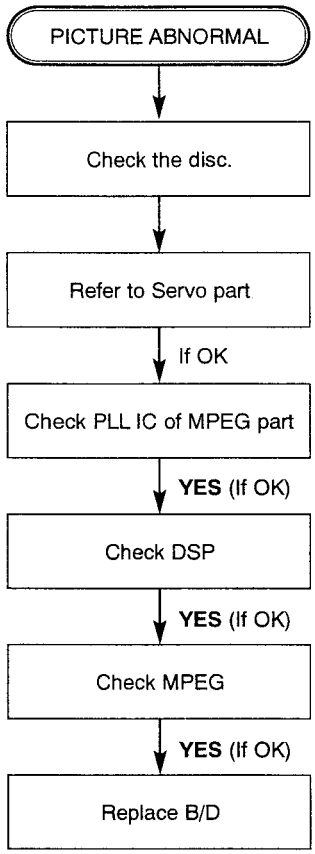
C. Video abnormal



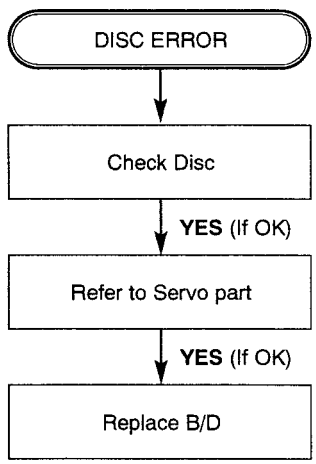
D. Open/Close abnormal



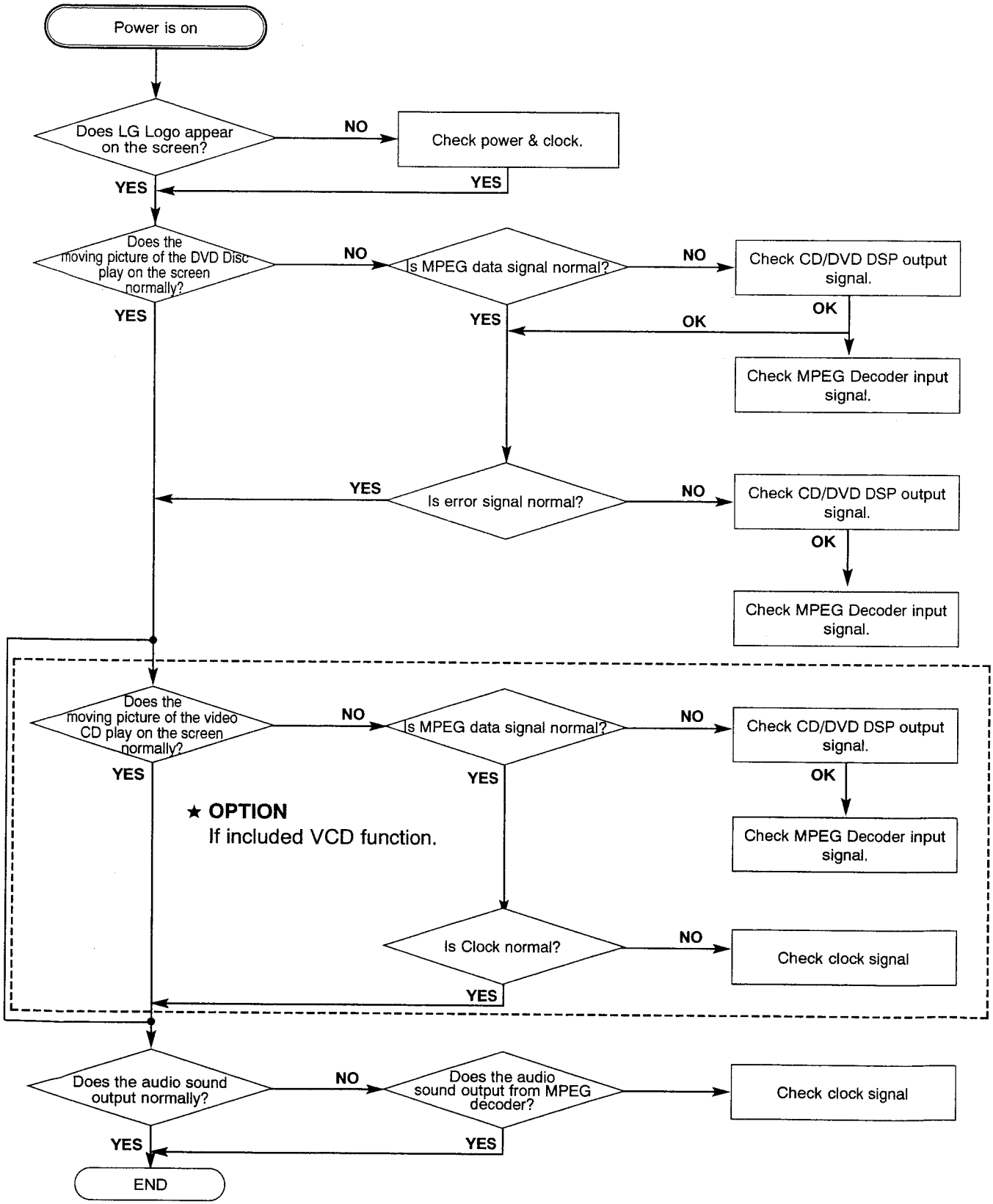
E. Picture abnormal



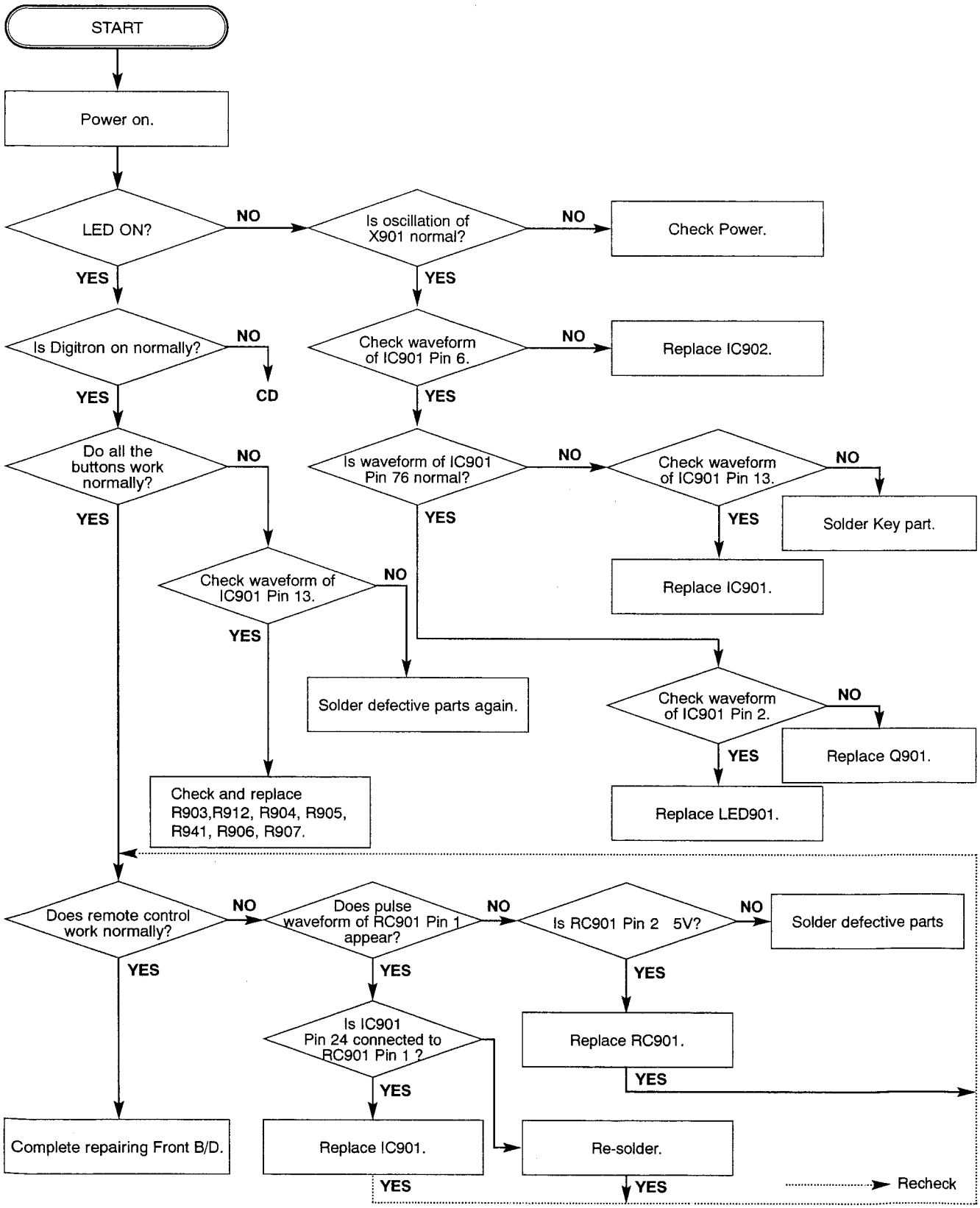
F. Disc Error



3. MPEG Circuit

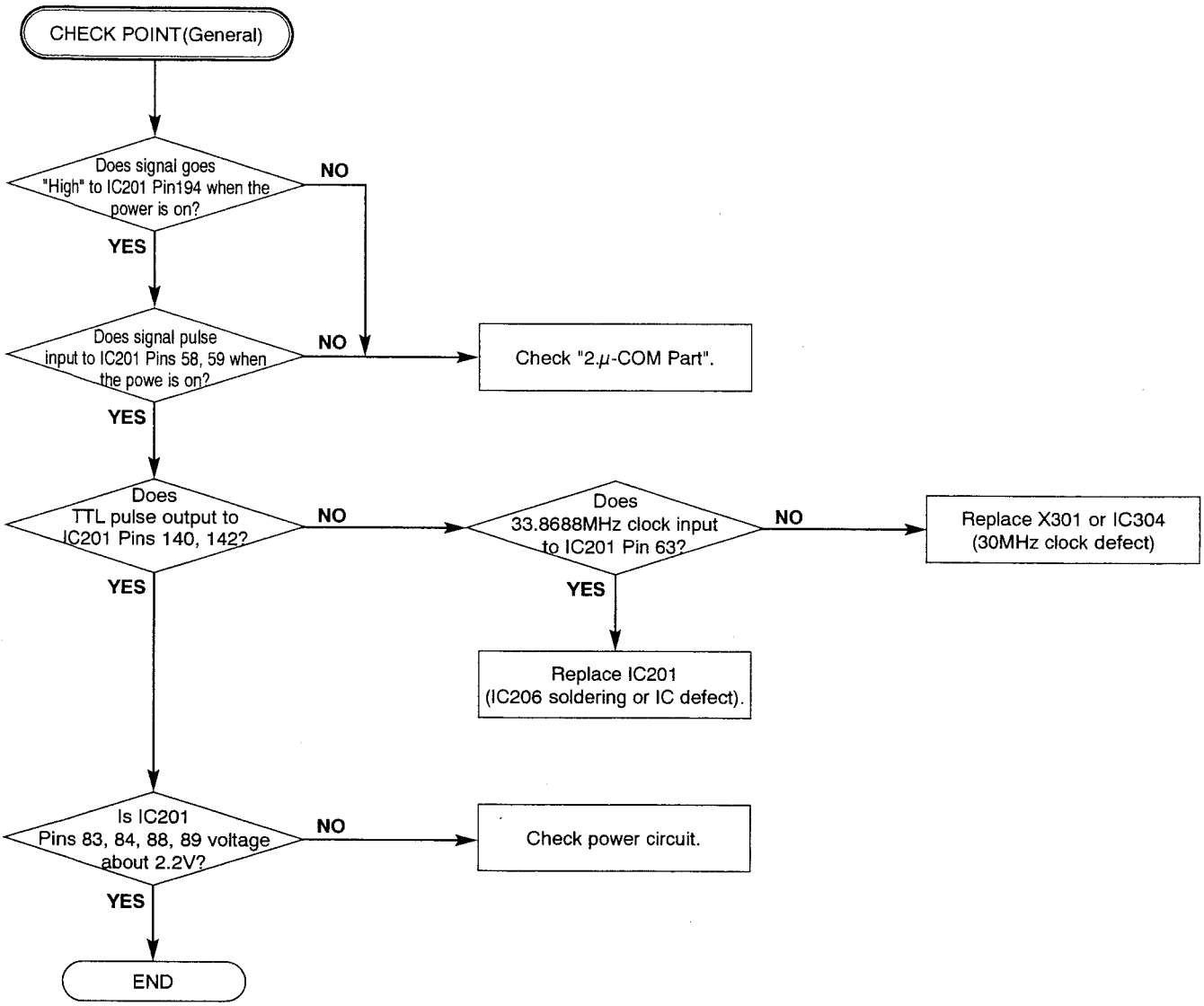


4. Front Circuit (Digitron & key)

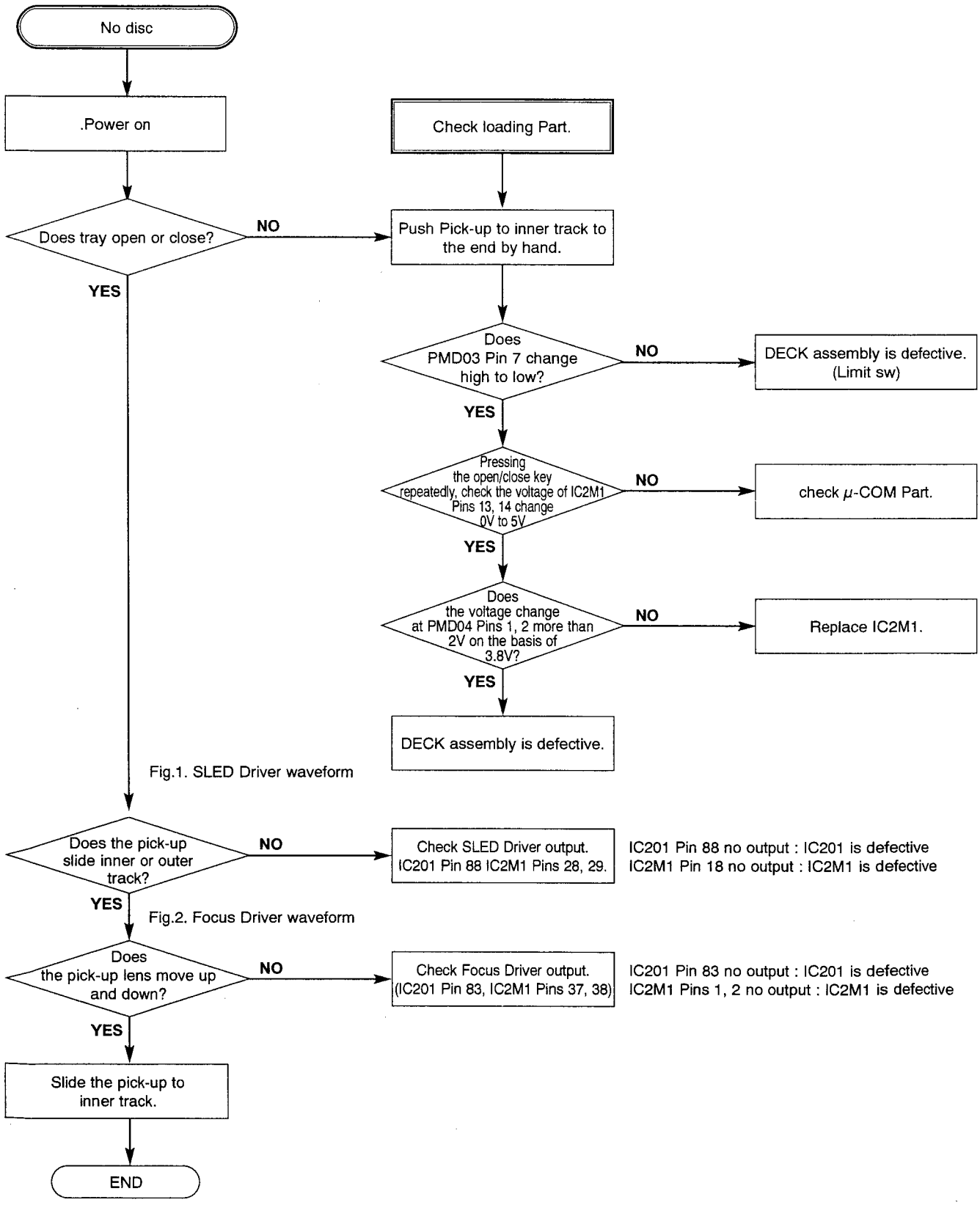


5. RF/Servo Circuit

A.


CHECK POINT(General)
Does signal goes "High" to IC201 Pin194 when the power is on?
NO
YES
Does signal pulse input to IC201 Pins 58, 59 when the powe is on?
NO
Check "2.μ-COM Part".
YES
Does TTL pulse output to IC201 Pins 140, 142?
NO
Does 33.8688MHz clock input to IC201 Pin 63?
NO
Replace X301 or IC304 (30MHz clock defect)
YES
YES
Replace IC201 (IC206 soldering or IC defect).
Is IC201 Pins 83, 84, 88, 89 voltage about 2.2V?
NO
Check power circuit.
YES
END

B.


No disc
.Power on
Does tray open or close?
NO
YES
Check loading Part.
Push Pick-up to inner track to the end by hand.
Does PMD03 Pin 7 change high to low?
NO
DECK assembly is defective. (Limit sw)
YES
Pressing the open/close key repeatedly, check the voltage of IC2M1 Pins 13, 14 change 0V to 5V
NO
check μ-COM Part.
YES
Does the voltage change at PMD04 Pins 1, 2 more than 2V on the basis of 3.8V?
NO
Replace IC2M1.
YES
DECK assembly is defective.
Fig.1. SLED Driver waveform
Does the pick-up slide inner or outer track?
NO
Check SLED Driver output. IC201 Pin 88 IC2M1 Pins 28, 29.
IC201 Pin 88 no output : IC201 is defective
IC2M1 Pin 18 no output : IC2M1 is defective
YES
Fig.2. Focus Driver waveform
Does the pick-up lens move up and down?
NO
Check Focus Driver output. (IC201 Pin 83, IC2M1 Pins 37, 38)
IC201 Pin 83 no output : IC201 is defective
IC2M1 Pins 1, 2 no output : IC2M1 is defective
YES
Slide the pick-up to inner track.
END

C.

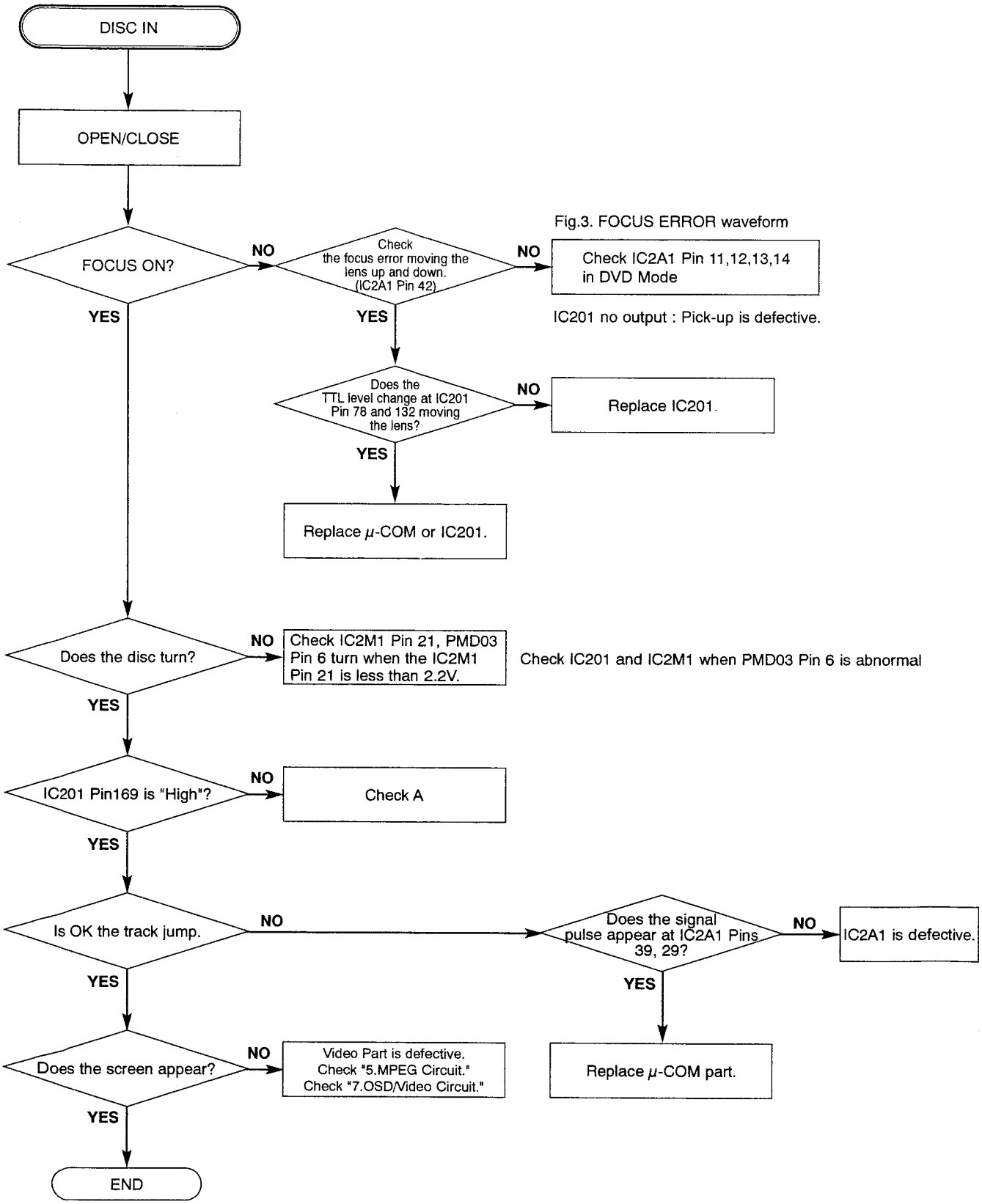
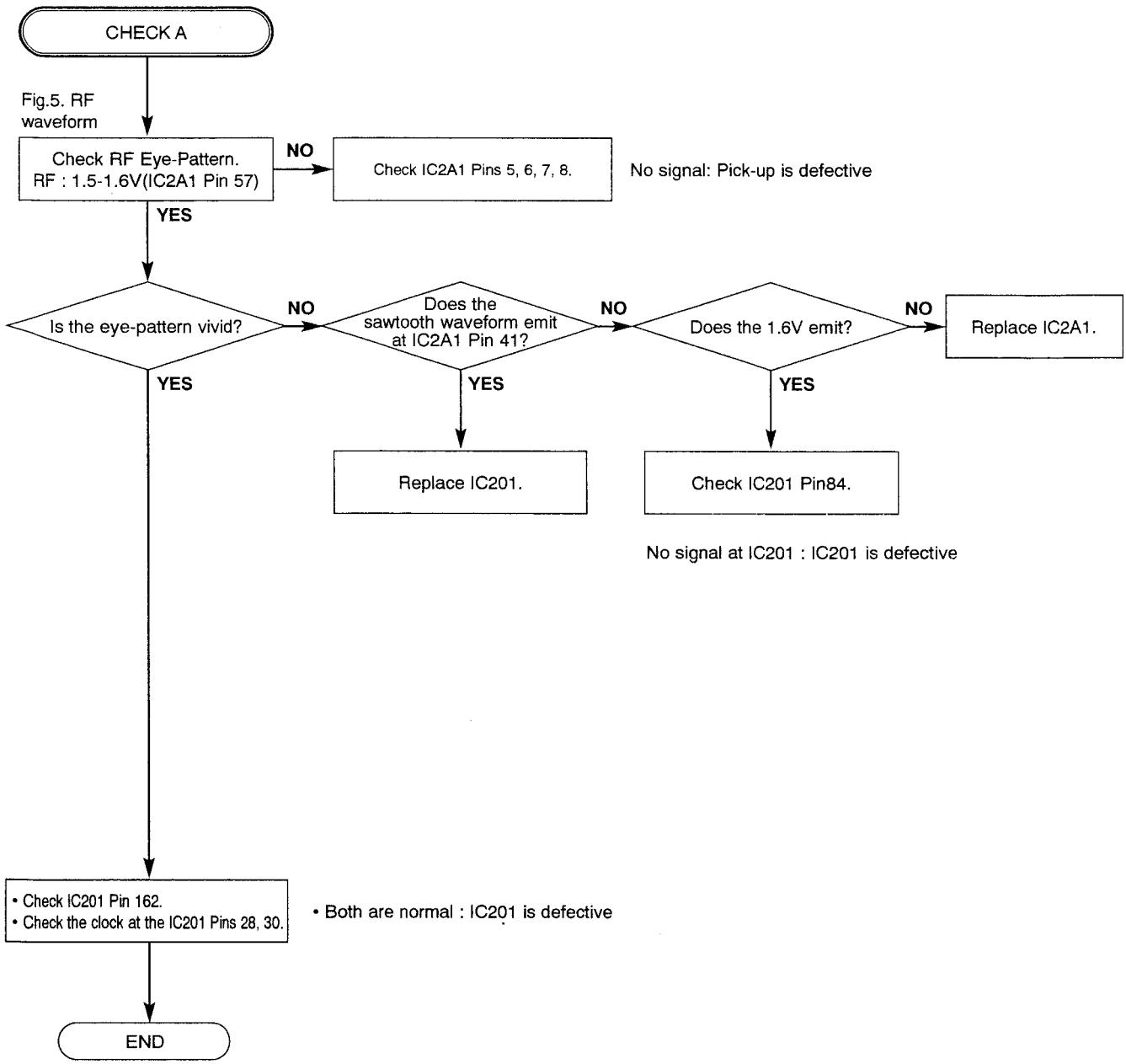


Fig.3. FOCUS ERROR waveform

IC201 no output : Pick-up is defective.

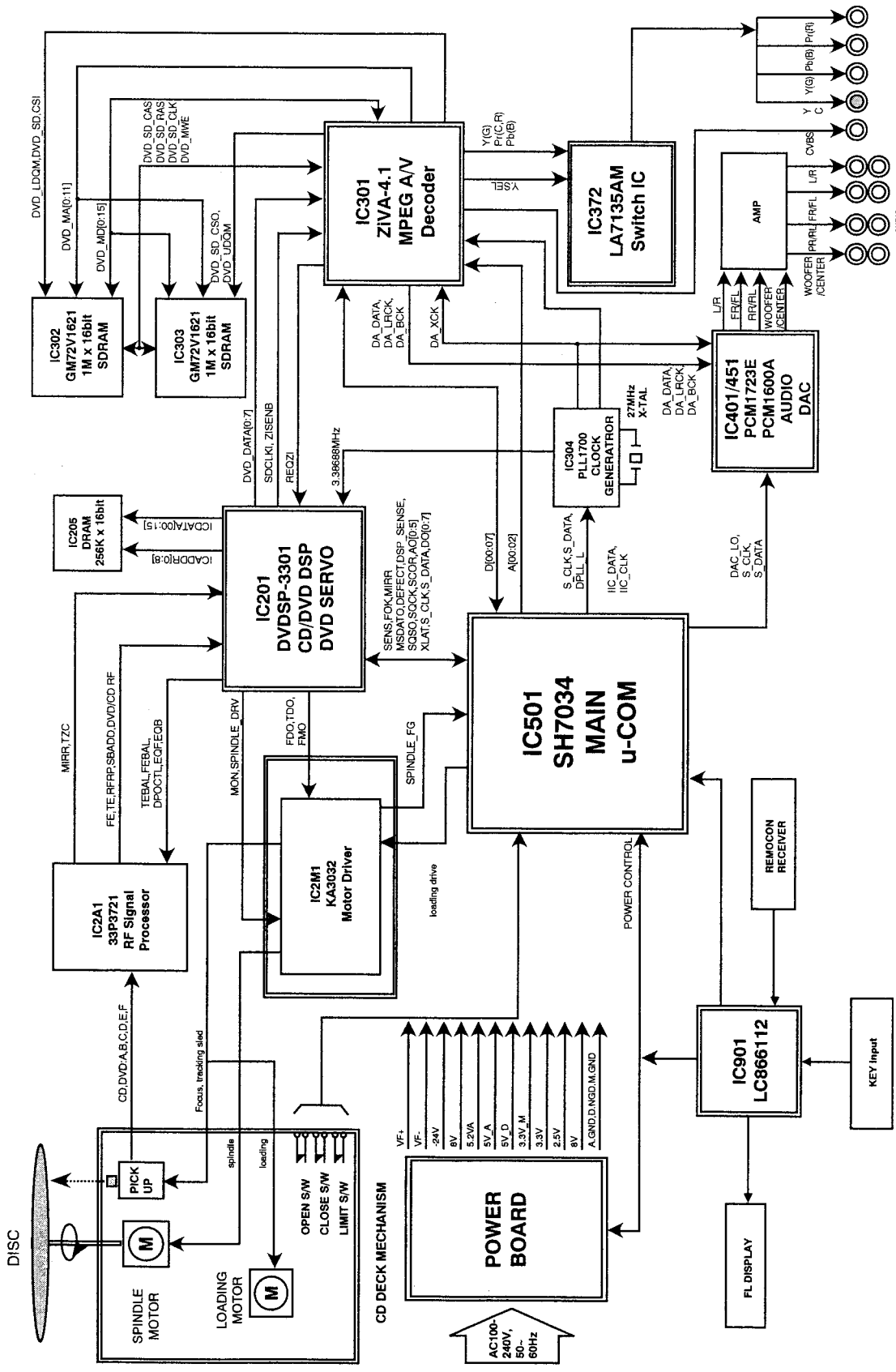
Check IC201 and IC2M1 when PMD03 Pin 6 is abnormal

D.

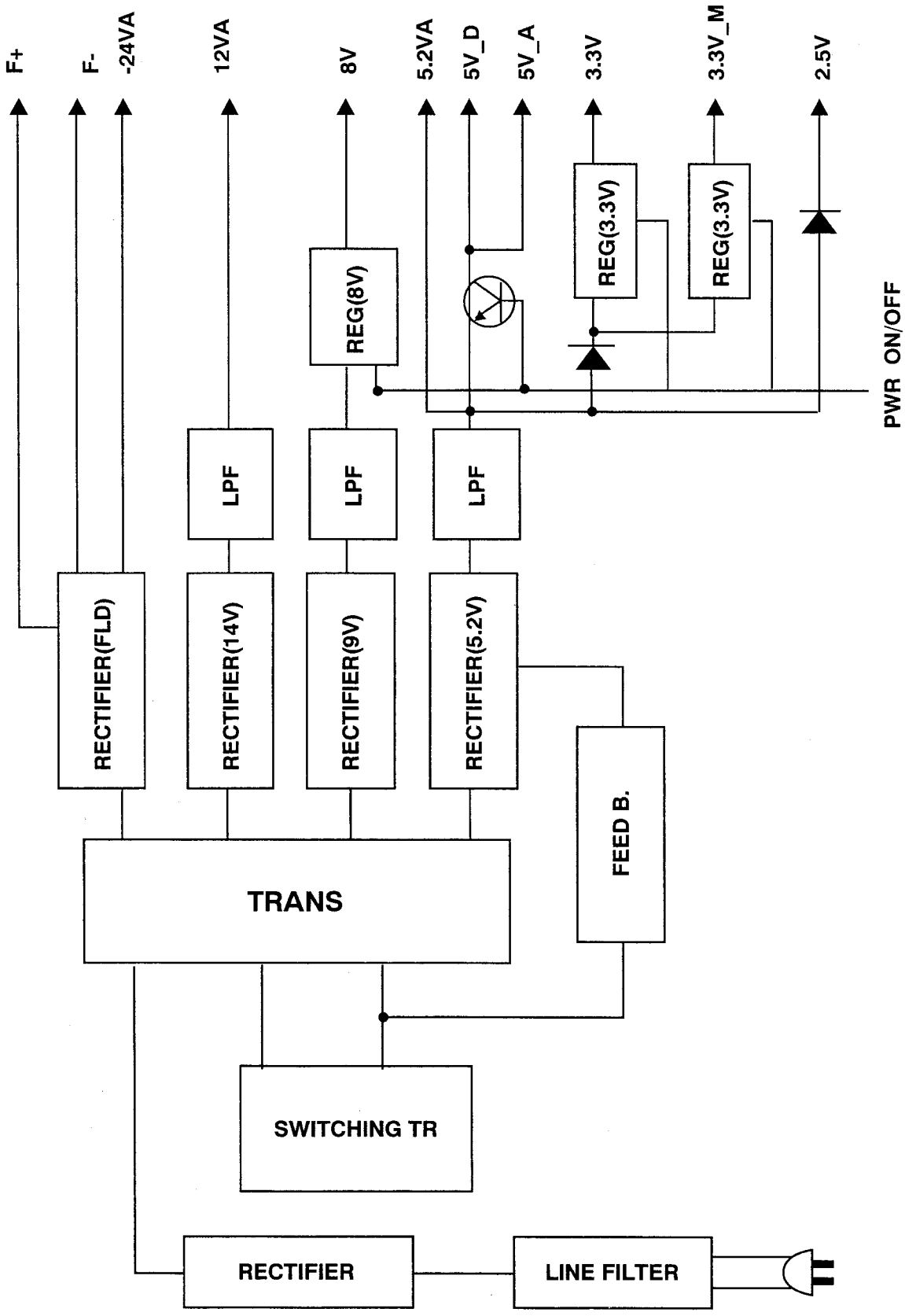

CHECK A
Fig.5. RF waveform
Check RF Eye-Pattern.
RF : 1.5-1.6V(IC2A1 Pin 57)
NO
Check IC2A1 Pins 5, 6, 7, 8.
No signal: Pick-up is defective
YES
Is the eye-pattern vivid?
NO
Does the sawtooth waveform emit at IC2A1 Pin 41?
NO
Does the 1.6V emit?
NO
Replace IC2A1.
YES
YES
YES
Replace IC201.
Check IC201 Pin84.
No signal at IC201 : IC201 is defective
• Check IC201 Pin 162.
• Check the clock at the IC201 Pins 28, 30.
• Both are normal : IC201 is defective
END

BLOCK DIAGRAMS

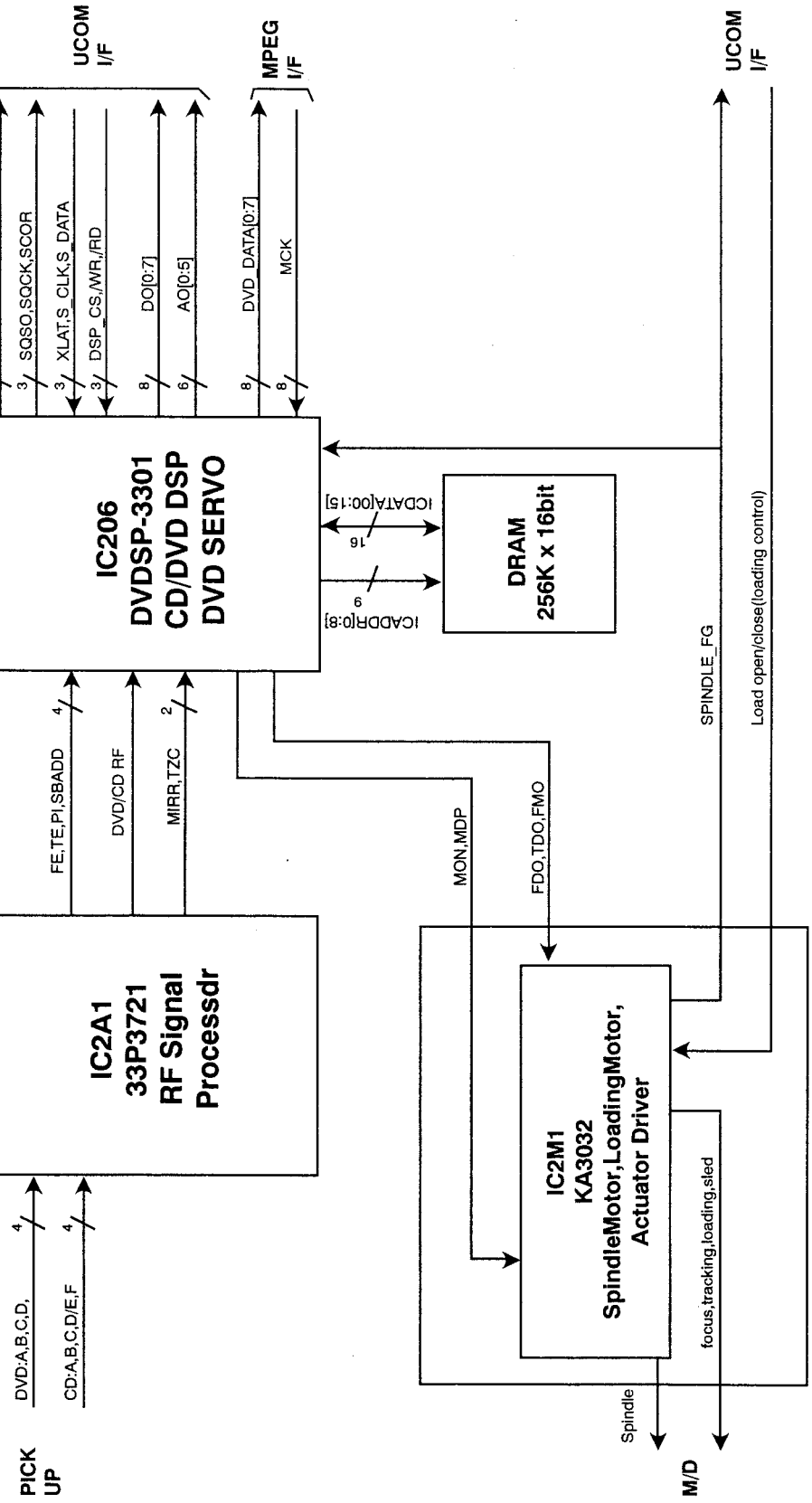
1. Overall Block Diagram



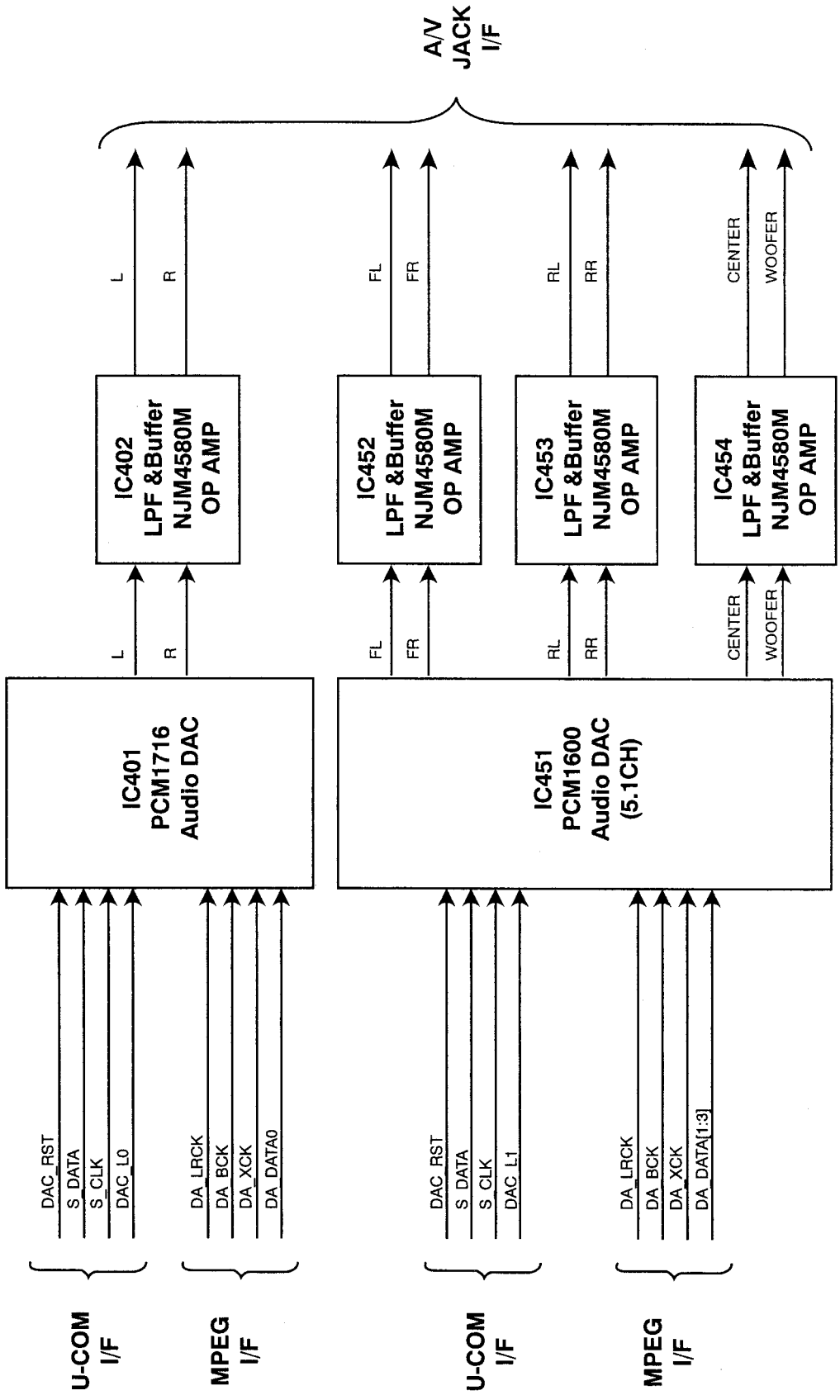
2. Power(SMPS) Block Diagram



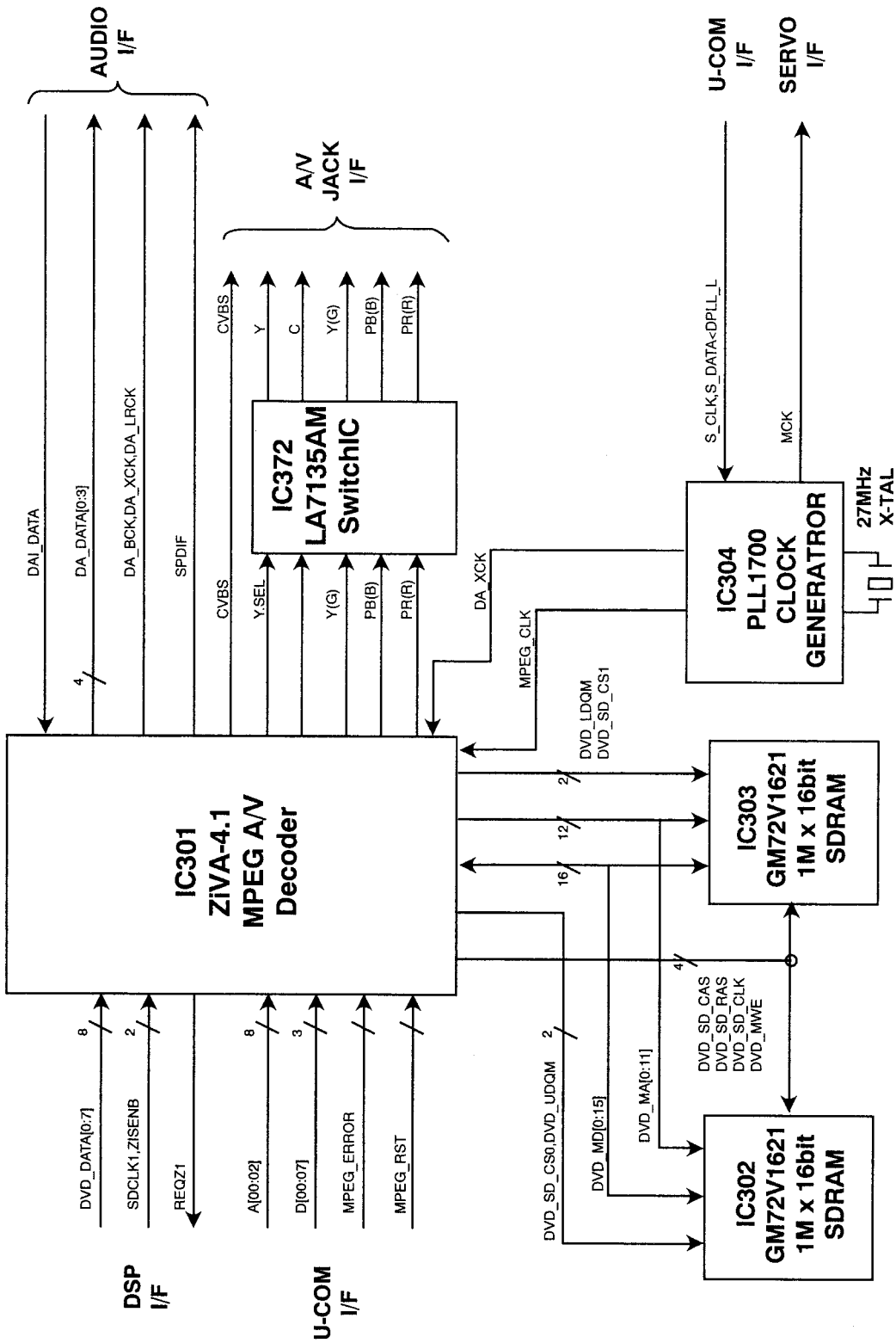
3. RF/CD DSP/DVD DSP/DVD SERVO Block Diagram



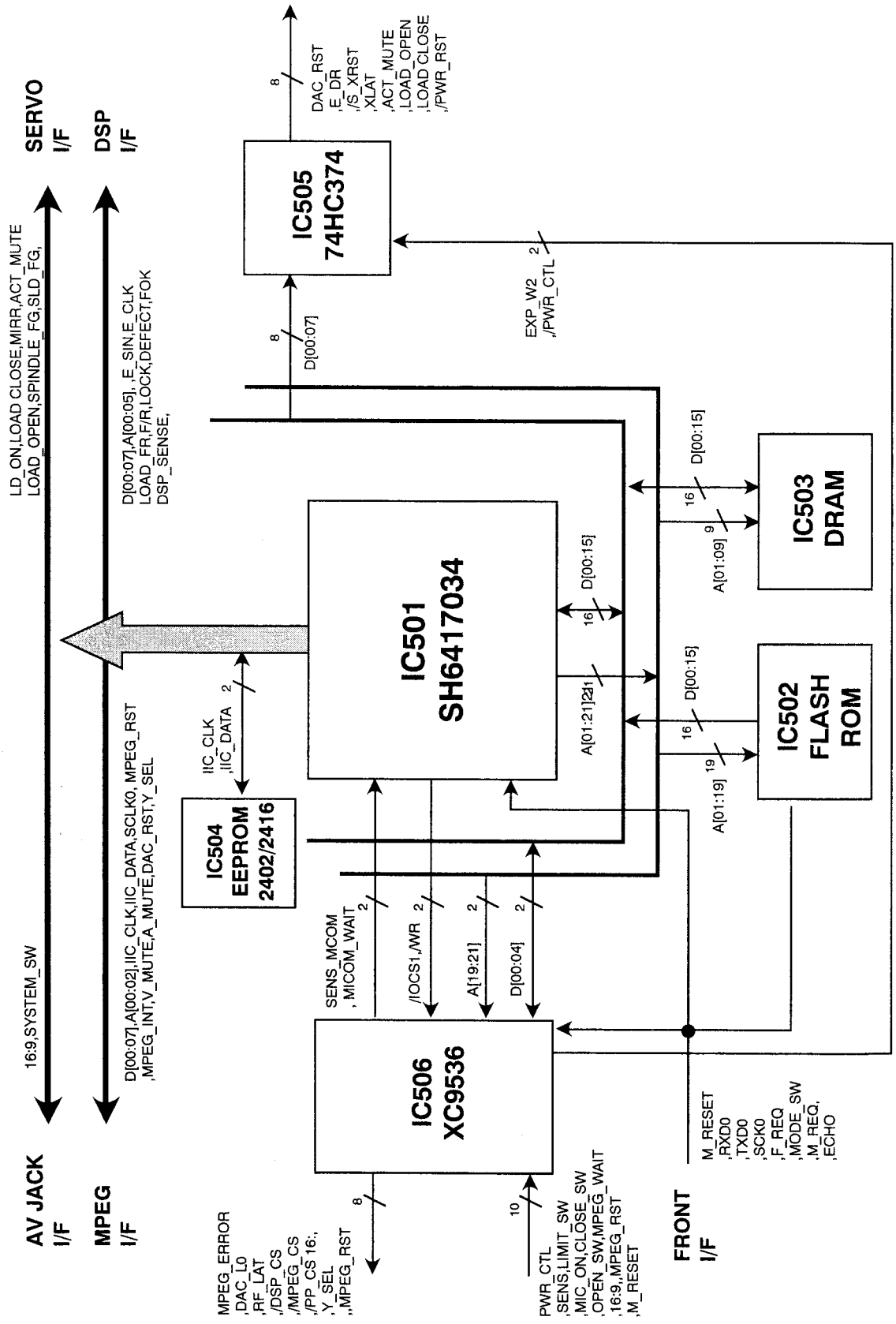
4. Audio Block Diagram



5. MPEG Block Diagram



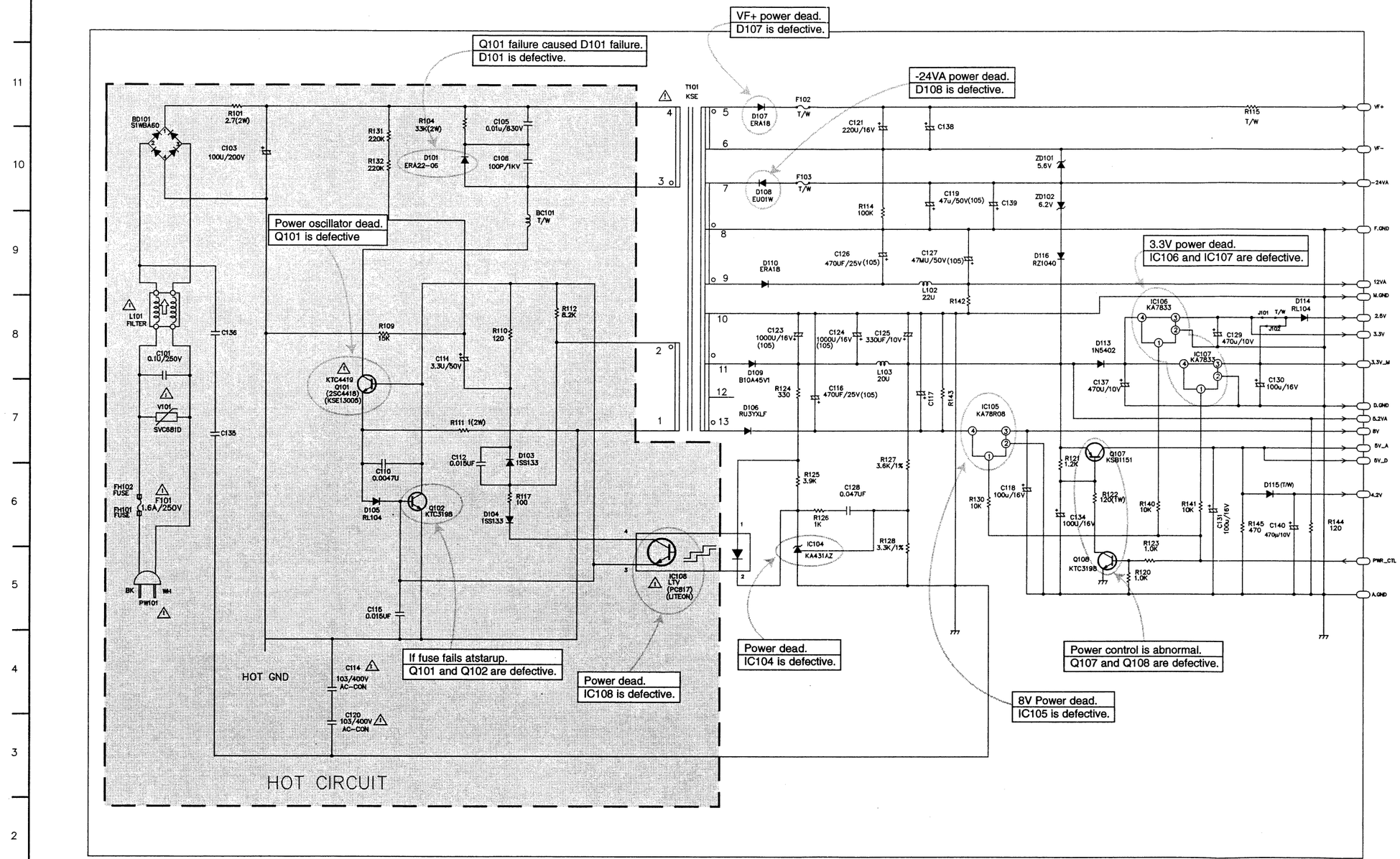
6. μ-COM Block Diagram



CIRCUIT DIAGRAM

1. POWER(SMPS) CIRCUIT DIAGRAM

NOTE :
1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmeter during Play mode.



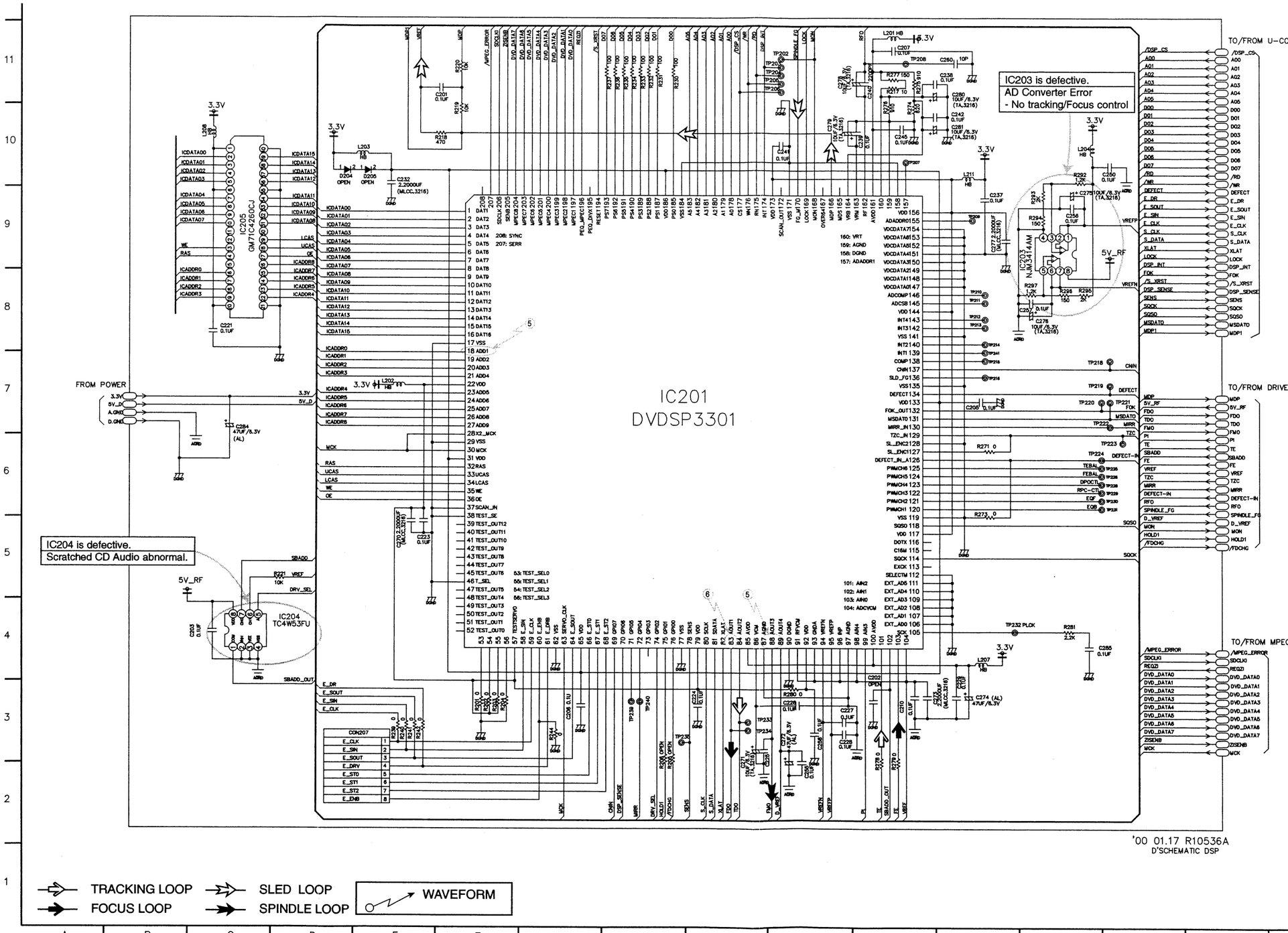
'00 03. 28 R10542A
DVD3051N,S (NARROW)

NOTES) ⚠ Warning
Parts that are shaded are critical With respect to risk of fire or electricial shock.

LOCATION GUIDE

C101	B8
C103	C10
C105	F11
C106	F10
C110	E6
C111	E8
C112	F7
C114	D4
C115	E5
C116	J7
C117	K7
C118	L6
C119	K10
C120	D3
C121	J11
C123	I8
C124	J8
C125	K8
C126	J9
C127	K9
C128	J6
C129	O8
C130	O7
C131	O6
C134	M6
C135	C7
C136	C8
C137	M7
C138	K10
C139	L10
C140	O6
D101	E10
D103	F7
D104	F6
D105	D6
D106	I7
D107	I11
D108	I10
D109	I8
D110	I9
D113	M8
D114	O8
D115	O6
D116	L9
F102	J11
F103	J10
FH101	B6
FH102	B6
IC104	J6
IC105	L7
IC106	N8
IC107	N8
IC108	H5
J101	O8
J102	O8
L101	B8
L102	K9
L103	K8
Q101	D7
Q102	E6
Q107	M7
Q108	M5
R101	C11
R104	E11
R109	E8
R110	F8
R111	F7
R112	G8
R114	J10
R115	O11
R117	F6
R120	N5
R121	M7
R122	M6
R123	N6
R124	I7
R125	J6
R126	J6
R127	K7
R128	K6
R130	L6
R131	E10
R132	E10
R140	N6
R141	N6
R142	K8
R143	K7
R144	P6
R145	O6
T101	H11
V101	B7
ZD101	L10
ZD102	L10

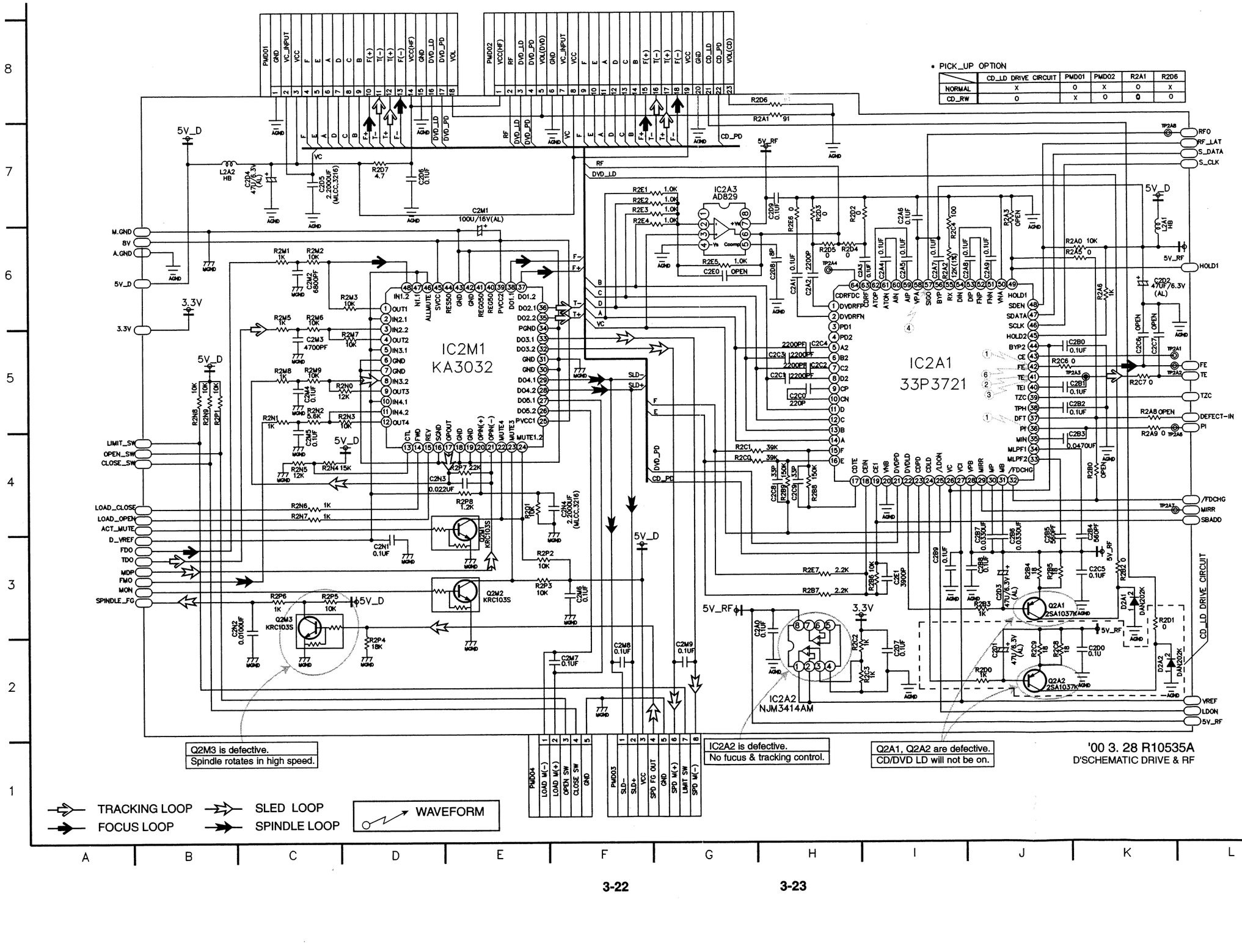
2. DVD DSP CIRCUIT DIAGRAM



LOCATION GUIDE

C201	E11	L211	L10
C202	K4	R201	F3
C203	C4	R202	F3
C205	L7	R203	F3
C206	G3	R204	F3
C207	K11	R205	H2
C210	K3	R206	H2
C221	C8	R217	K11
C223	E5	R218	E10
C224	I3	R219	F10
C225	J2	R220	F11
C226	J3	R221	D5
C227	J3	R230	H11
C228	J3	R231	H11
C229	L3	R232	H11
C232	E10	R233	H11
C237	L9	R234	H11
C238	L11	R235	H11
C239	K10	R236	H11
C240	K11	R237	H11
C241	J10	R239	E3
C242	L10	R240	E3
C245	K10	R241	E3
C250	N10	R242	E3
C255	J2	R244	G3
C256	M9	R271	L6
C257	M8	R273	L6
C258	J3	R274	K10
C260	L11	R275	K11
C270	E5	R276	K10
C271	I2	R277	K11
C272	J3	R278	K2
C273	L3	R279	K2
C274	L3	R280	J3
C275	M9	R281	M4
C276	M8	R292	M10
C277	L9	R293	M9
C278	J11	R294	M9
C279	J10	R295	M8
C280	L11	R296	M8
C281	L10	R297	M8
C284	C7	REQZI	G11
C285	M4	REQZI	O4
D00	H11	REQZI	N4
D00	O10	TP202	J11
D00	N10	TP203	I11
D01	H11	TP204	I11
D01	O10	TP205	I11
D01	N10	TP206	I11
D02	H11	TP207	K10
D02	O10	TP208	K11
D02	N10	TP209	L9
D03	H11	TP210	L8
D03	O10	TP211	L8
D03	N10	TP212	L8
D04	H11	TP213	L8
D04	O10	TP214	L8
D04	N10	TP215	L7
D05	H11	TP216	L7
D05	O10	TP218	M7
D05	N10	TP219	M7
D06	H11	TP220	M7
D06	O10	TP221	N7
D06	N10	TP222	M7
D07	O10	TP223	M6
D07	N10	TP224	M6
D204	D10	TP225	N6
D205	E10	TP226	N6
IC201	H7	TP228	N6
IC203	M9	TP229	N6
IC204	D4	TP230	N6
IC205	C9	TP231	N6
L201	K11	TP232	L4
L202	E7	TP233	I3
L203	E10	TP234	I3
L204	M10	TP235	H3
L207	L4	TP239	H3
L208	C10	TP240	H3
		TP241	L7

3. DRIVE & RF CIRCUIT DIAGRAM



• PICK_UP OPTION

	CD_LD DRIVE CIRCUIT	PMD01	PMD02	R2A1	R2D6
NORMAL	X	0	X	0	X
CD_RW	0	X	0	0	0

Q2M3 is defective.
Spindle rotates in high speed.

IC2A2 is defective.
No fucus & tracking control.

Q2A1, Q2A2 are defective.
CD/DVD LD will not be on.

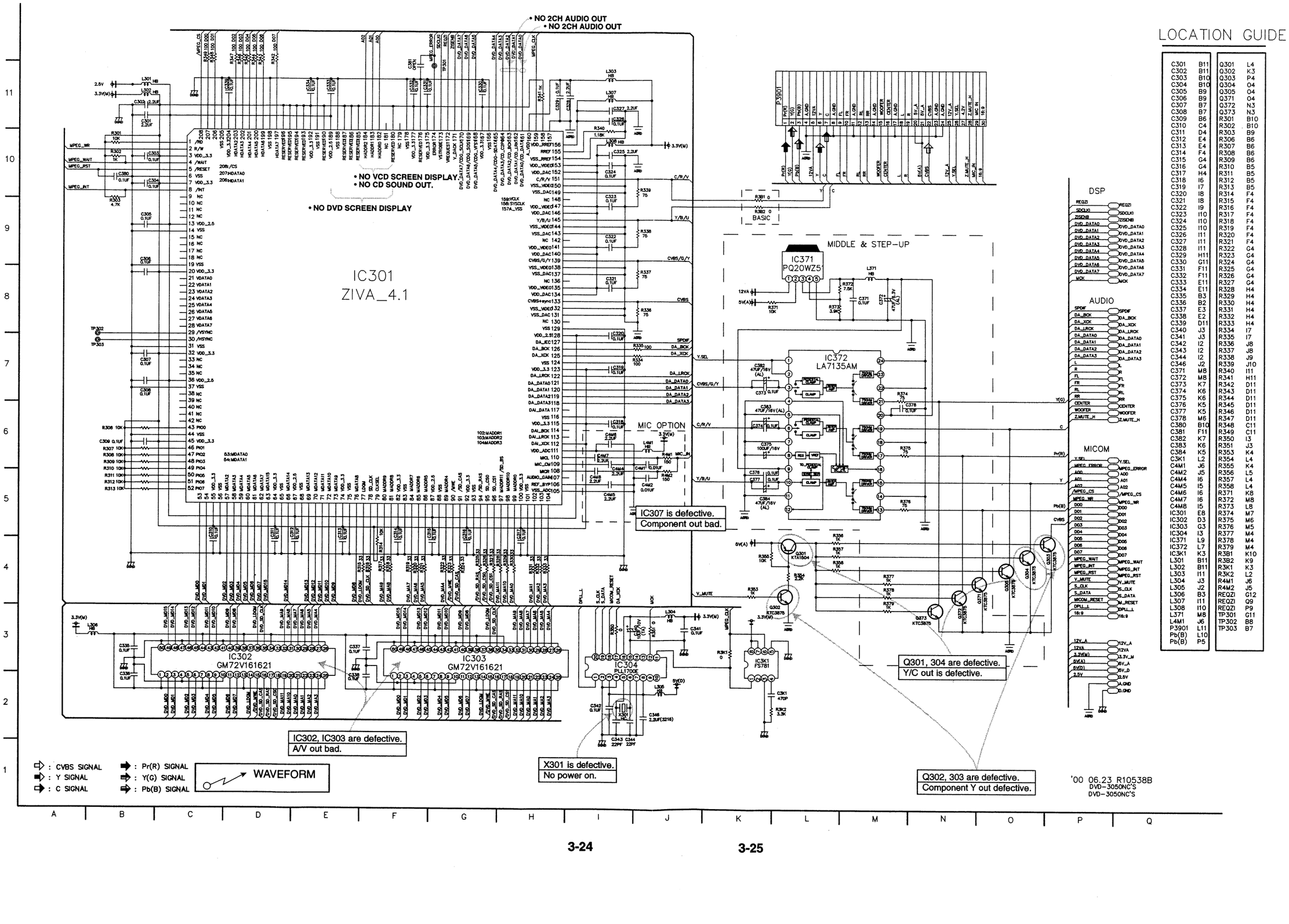
'00 3. 28 R10535A
D'SCHEMATIC DRIVE & RF

TRACKING LOOP
FOCUS LOOP
SLED LOOP
SPINDLE LOOP
WAVEFORM

LOCATION GUIDE

C2A1	H6	R2A9	K4
C2A2	H6	R2B0	K4
C2A3	I6	R2B2	K3
C2A4	I6	R2B3	J3
C2A5	I6	R2B4	J3
C2A6	I6	R2B5	J3
C2A7	I6	R2B6	I3
C2A8	J6	R2B7	H3
C2A9	J6	R2B8	H4
C2B0	J5	R2B9	H4
C2B1	K5	R2C0	G4
C2B2	J5	R2C1	G4
C2B3	J4	R2C2	H2
C2B4	K3	R2C3	I2
C2B5	J3	R2C4	I6
C2B6	J3	R2C6	J5
C2B7	J3	R2C7	K5
C2B8	J3	R2C8	J2
C2B9	I3	R2C9	J2
C2C0	H5	R2D0	J2
C2C1	H5	R2D1	K3
C2C2	H5	R2D2	H7
C2C3	H5	R2D3	H7
C2C4	H5	R2D4	H6
C2C5	K3	R2D5	H6
C2C6	K5	R2D6	G8
C2C7	K5	R2D7	D7
C2C8	H4	R2E1	F7
C2C9	H4	R2E2	F7
C2D0	K2	R2E3	F7
C2D1	J2	R2E4	F7
C2D2	K6	R2E5	G6
C2D3	J3	R2E6	H6
C2D4	C7	R2E7	H3
C2D5	C7	R2M1	C6
C2D6	D7	R2M2	C6
C2D7	I2	R2M3	D6
C2D8	H6	R2M5	C6
C2D9	H7	R2M6	C6
C2E0	G6	R2M7	D5
C2E1	I3	R2M8	C5
C2M1	E7	R2M9	C5
C2M2	C6	R2N0	C5
C2M3	C5	R2N1	C5
C2M4	C5	R2N2	C5
C2M5	C4	R2N3	C5
C2M6	F3	R2N4	C4
C2M7	F2	R2N5	C4
C2M8	F2	R2N6	C4
C2M9	G2	R2N7	C4
C2N1	D3	R2N8	B5
C2N2	B3	R2N9	B5
C2N3	D4	R2P1	B5
C2N4	F3	R2P2	E3
D2A1	K4	R2P3	E3
D2A2	K2	R2P4	D2
Q2A1	J3	R2P5	C3
Q2A2	J2	R2P6	C3
Q2M1	E3	R2P7	E4
Q2M2	E3	R2P8	E4
Q2M3	C3	R2Q1	E4
R2A0	J6	TP2A1	K5
R2A1	G7	TP2A2	K5
R2A2	I6	TP2A3	J5
R2A3	J6	TP2A4	H6
R2A5	J6	TP2A6	K4
R2A6	K6	TP2A7	K4
R2A8	K5	TP2A8	K7

4. MPEG CIRCUIT DIAGRAM



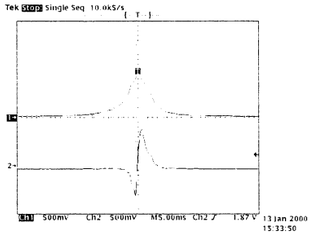
LOCATION GUIDE

C301	B11	Q301	L4
C302	B11	Q302	K3
C303	B10	Q303	P4
C304	B10	Q304	O4
C305	B9	Q305	O4
C306	B9	Q371	O4
C307	B7	Q372	N3
C308	B7	Q373	N3
C309	B6	R301	B10
C310	C4	R302	B10
C311	D4	R303	B9
C312	E4	R306	B6
C313	E4	R307	B6
C314	F4	R308	B6
C315	G4	R309	B6
C316	G4	R310	B5
C317	H4	R311	B5
C318	I6	R312	B5
C319	I7	R313	B5
C320	I8	R314	F4
C321	I8	R315	F4
C322	I9	R316	F4
C323	I10	R317	F4
C324	I10	R318	F4
C325	I10	R319	F4
C326	I11	R320	F4
C327	I11	R321	F4
C328	I11	R322	G4
C329	H11	R323	G4
C330	G11	R324	G4
C331	F11	R325	G4
C332	F11	R326	G4
C333	E11	R327	G4
C334	E11	R328	H4
C335	B3	R329	H4
C336	B2	R330	H4
C337	E3	R331	H4
C338	E2	R332	H4
C339	D11	R333	H4
C340	J3	R334	I7
C341	J3	R335	I7
C342	I2	R336	J8
C343	I2	R337	J8
C344	I2	R338	J9
C346	J2	R339	J10
C371	M8	R340	I11
C372	M8	R341	H11
C373	K7	R342	D11
C374	K6	R343	D11
C375	K6	R344	D11
C376	K5	R345	D11
C377	K5	R346	D11
C378	M6	R347	D11
C380	B10	R348	C11
C381	F11	R349	C11
C382	K7	R350	I3
C383	K6	R351	J3
C384	K5	R353	K4
C3K1	L2	R354	L4
C4M1	J6	R355	K4
C4M2	J5	R356	L5
C4M4	I6	R357	L4
C4M5	I5	R358	L4
C4M6	I6	R371	K8
C4M7	I6	R372	M8
C4M8	I5	R373	L8
IC301	E8	R374	M7
IC302	D3	R375	M6
IC303	G3	R376	M5
IC304	I3	R377	M4
IC371	L9	R378	M4
IC372	L7	R379	M4
IC3K1	K3	R3B1	K10
L301	B11	R3B2	K9
L302	B11	R3K1	K3
L303	I11	R3K2	L2
L304	J3	R4M1	J6
L305	J2	R4M2	J5
L306	B3	REQZI	G12
L307	I11	REQZI	Q9
L308	I10	REQZI	P9
L371	M8	TP301	C11
L4M1	J6	TP302	B8
P3901	L11	TP303	B7
Pb(B)	L10		
Pb(B)	P5		

• WAVEFORMS

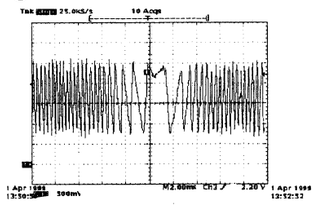
(RF/SERVO)

①



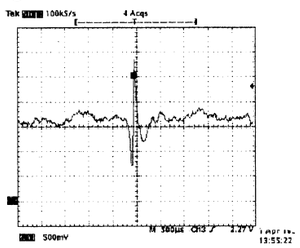
IC2A1 Pin 42, Focus Error
IC2A1 Pin 36, Pi

②



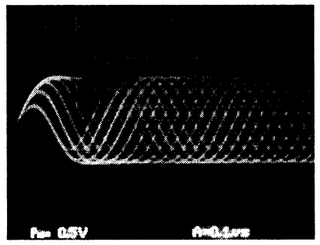
IC2A1 Pin 41
Tracking Error

③



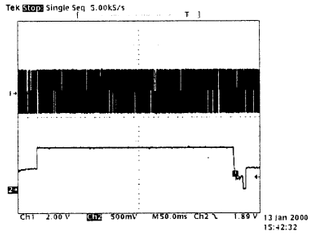
IC2A1 Pin 41
VBR TRACKING Error

④



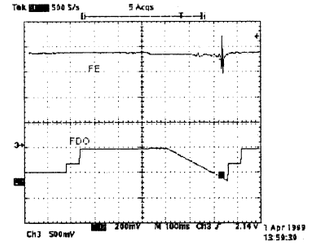
IC2A1 Pin 57,
RF

⑤



IC201 Pin 88, SLED Drive(FMO)
IC201 Pin 18, SLED FG

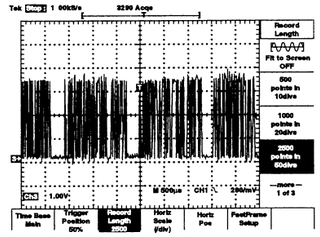
⑥



IC2A1 Pin42, Focus Error(in Focus Search)
IC201 Pin 83, Focus Drive(FDO)

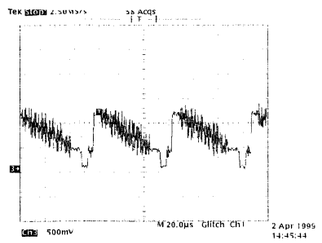
(VIDEO ENCODER)

①



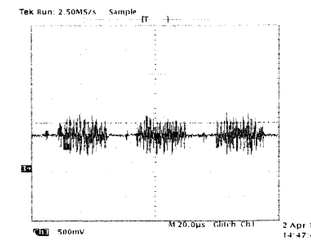
IC305 Pins 9~16, MPEG Data

②



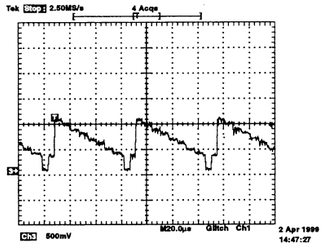
IC305 Pin 30, Composite

③



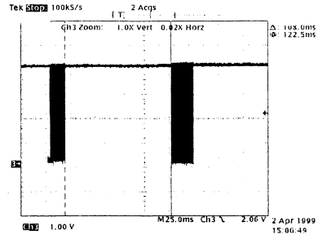
IC305 Pin 24, Chrominance

④



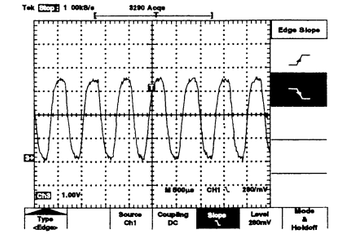
IC305 Pin 27, Luminance

⑤



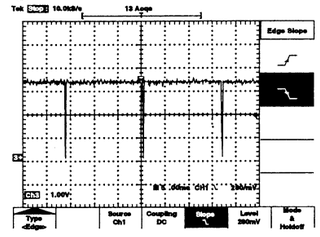
IC305 Pins 40, 41 SDA/SCL

⑥



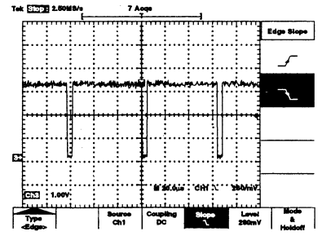
IC305 Pin 4, MPEG Clock(27MHz)

⑦



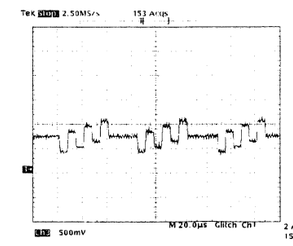
IC305 Pin 7, Vertical SYNC

⑧



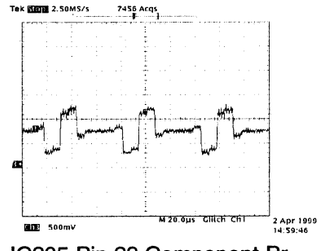
IC305 Pin 8 Horizontal SYNC

⑨



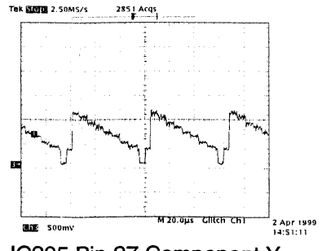
IC305 Pin 29 Component Pb

⑩



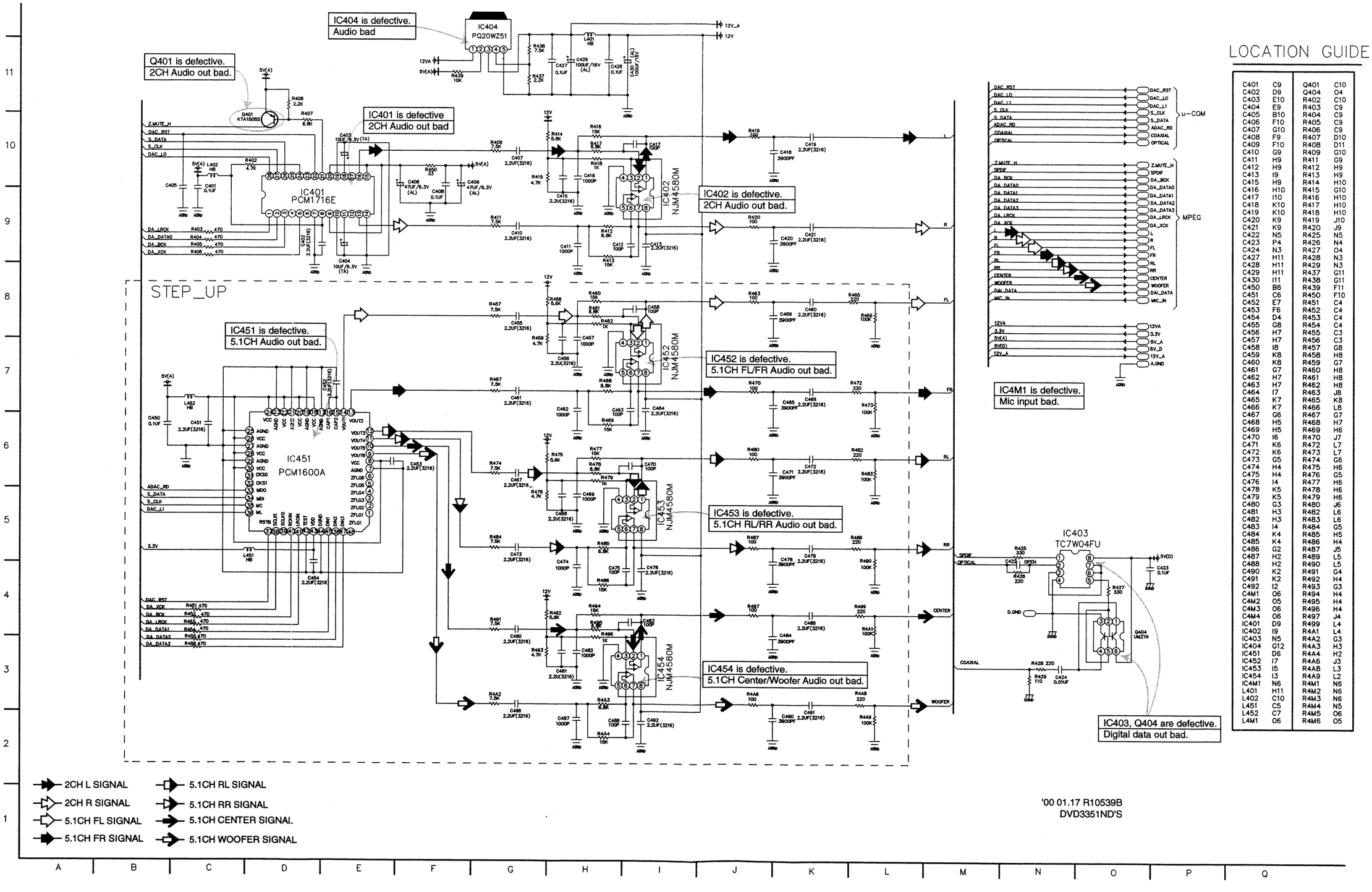
IC305 Pin 23 Component Pr

⑪



IC305 Pin 27 Component Y

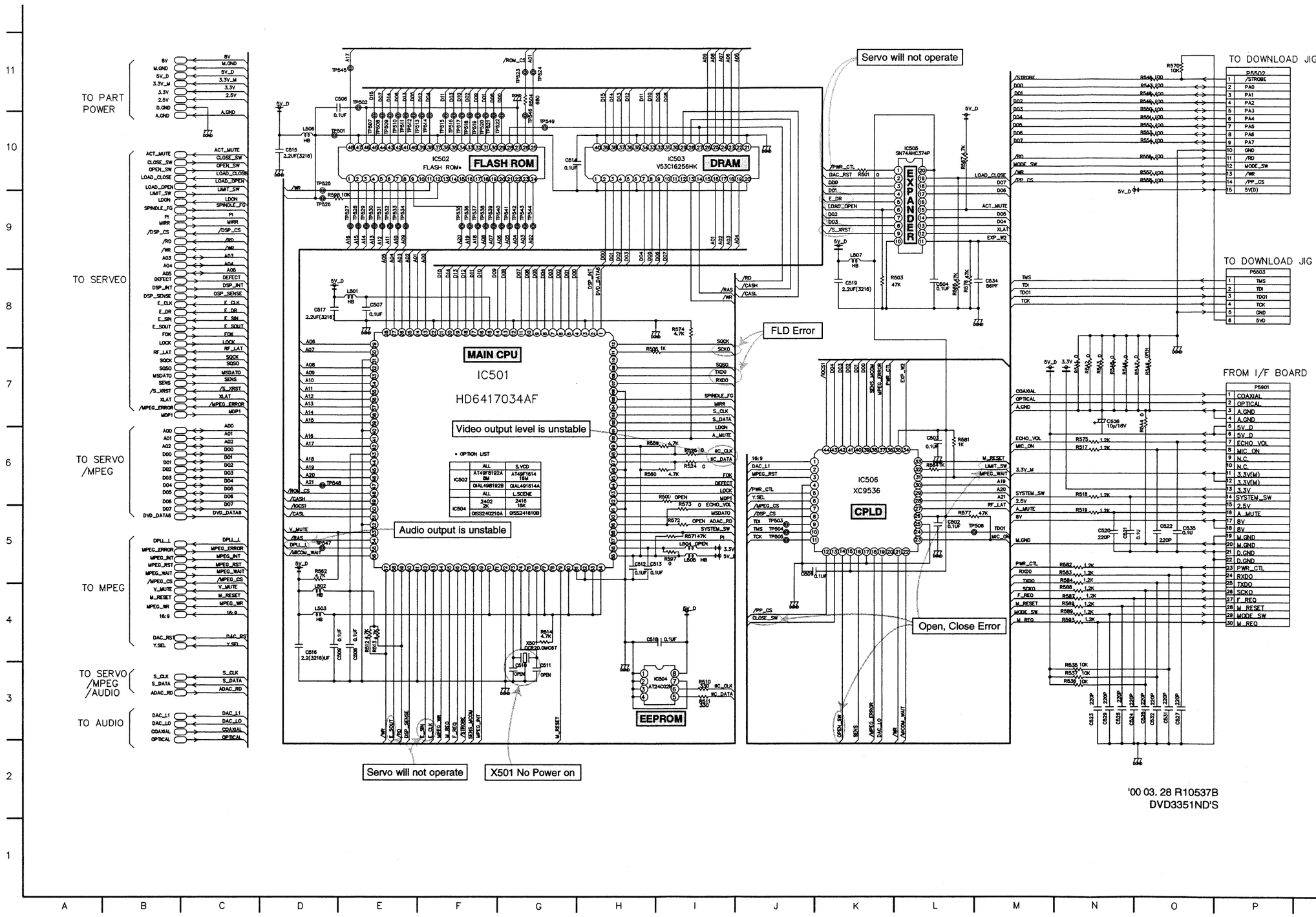
5. AUDIO DM & 5.1CH CIRCUIT DIAGRAM



LOCATION GUIDE

C401	C9	Q401	C10
C402	D9	Q404	O4
C403	E10	R402	C10
C404	E9	R403	C9
C405	B10	R404	C9
C406	F10	R405	C9
C407	G10	R406	C9
C408	F9	R407	D10
C409	F10	R408	D11
C410	G9	R409	G10
C411	H9	R411	G9
C412	H9	R412	H9
C413	I9	R413	H9
C415	H9	R414	H10
C416	H10	R415	G10
C417	I10	R416	H10
C418	K10	R417	H10
C419	K10	R418	H10
C420	K9	R419	J10
C421	K9	R420	J9
C422	N5	R425	N5
C423	P4	R426	N4
C424	N3	R427	O4
C427	H11	R428	N3
C428	H11	R429	N3
C429	H11	R437	G11
C430	I11	R438	G11
C450	B6	R439	F11
C451	C6	R450	F10
C452	E7	R451	C4
C453	F6	R452	C4
C454	D4	R453	C4
C455	G8	R454	C4
C456	H7	R455	C3
C457	H7	R456	C3
C458	I8	R457	G8
C459	K8	R458	H8
C460	K8	R459	G7
C461	G7	R460	H8
C462	H7	R461	H8
C463	H7	R462	H8
C464	I7	R463	J8
C465	K7	R465	K8
C466	K7	R466	L8
C467	G6	R467	G7
C468	H5	R468	H7
C469	H5	R469	H6
C470	I6	R470	J7
C471	K6	R472	L7
C472	K6	R473	L7
C473	G5	R474	G6
C474	H4	R475	H6
C475	H4	R476	G5
C476	I4	R477	H6
C478	K5	R478	H6
C479	K5	R479	H6
C480	G3	R480	J6
C481	H3	R482	L6
C482	H3	R483	L6
C483	I4	R484	O5
C484	K4	R485	H5
C485	K4	R486	H4
C486	G2	R487	J5
C487	H2	R489	L5
C488	H2	R490	L5
C490	K2	R491	G4
C491	K2	R492	H4
C492	I2	R493	G3
C4M1	O6	R494	H4
C4M2	O5	R495	H4
C4M3	O6	R496	H4
C4M4	O6	R497	J4
IC401	D9	R499	L4
IC402	I9	R4A1	L4
IC403	N5	R4A2	G3
IC404	G12	R4A3	H3
IC451	D6	R4A4	H2
IC452	I7	R4A6	J3
IC453	I5	R4A8	L3
IC454	I3	R4A9	L2
IC4M1	N6	R4M1	N6
L401	H11	R4M2	N6
L402	C10	R4M3	N6
L451	C5	R4M4	N5
L452	C7	R4M5	O6
L4M1	O6	R4M6	O5

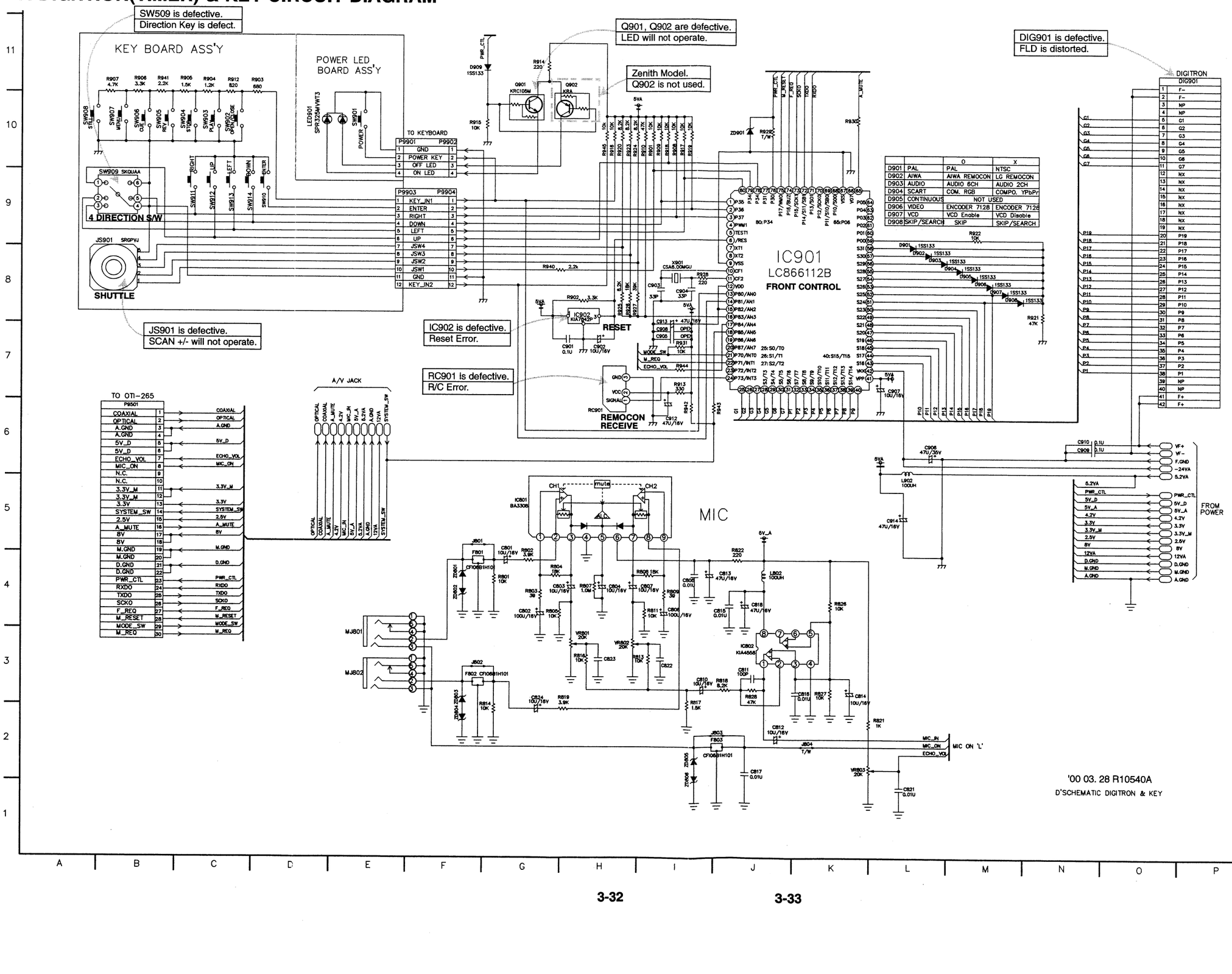
6. µ-COM/EXPANDER CIRCUIT DIAGRAM



LOCATION GUIDE

C501	J5	R535	N3
C502	L5	R536	N3
C503	L6	R537	N3
C504	L8	R546	O11
C506	D11	R547	O11
C507	E8	R548	O11
C508	E4	R549	O11
C509	E4	R550	O11
C510	G3	R551	O10
C511	G3	R552	O10
C512	H5	R553	O10
C513	H5	R554	O10
C514	G10	R555	O10
C515	D10	R557	O10
C516	D4	R558	O10
C517	D8	R559	H6
C518	H4	R560	H6
C519	K8	R562	D5
C520	N5	R564	L6
C521	N5	R565	L8
C522	O5	R567	L10
C523	N3	R569	N4
C524	N3	R570	O11
C525	O3	R571	I5
C526	N3	R572	I5
C527	O3	R573	I5
C529	N3	R574	I8
C531	O3	R575	N6
C532	O3	R576	L8
C534	M8	R577	L5
C535	O5	R581	L6
D01	K7	R582	N5
D01	M11	R583	N5
D01	B6	R584	N5
D01	C6	R587	N4
D02	F11	R588	N4
D02	H9	R589	N4
D02	G8	R593	N4
D02	K9	R597	I5
D02	K7	R598	D9
D02	M11	R5A1	N7
D02	B6	R5A2	N7
D02	C6	R5A3	N7
D03	F11	R5A4	O6
D03	H9	R5A5	N7
D03	G8	R5A6	N7
D03	K9	R5A7	O7
D03	K7	R5A8	O7
D03	M11	TP501	D10
D03	B6	TP502	E11
D03	C6	TP503	J5
D04	F11	TP504	J5
D04	H9	TP505	J5
D04	G8	TP506	L5
D04	K7	TP507	E10
D04	M9	TP508	E10
D04	M10	TP509	E10
D04	B6	TP510	E10
D04	C6	TP511	E10
D05	E11	TP512	E10
D05	H9	TP513	F10
D05	G8	TP514	F10
D05	M9	TP515	F10
D05	M10	TP516	F10
D05	B6	TP517	F10
D05	C6	TP518	F10
D06	E11	TP519	F10
IC501	F7	TP520	F10
IC502	F10	TP521	F10
IC503	I10	TP522	G10
IC504	H3	TP523	G11
IC505	L10	TP524	G11
IC506	K6	TP525	D10
L501	E8	TP526	D9
L502	D4	TP527	E9
L503	D4	TP528	E9
L504	I5	TP529	E9
L505	I5	TP530	E9
L506	D10	TP531	E9
L507	K9	TP532	E9
P5502	P11	TP533	E9
P5503	P8	TP534	E9
R5901	R7	TP535	F9
R501	K10	TP536	F9
R503	K8	TP537	F9
R504	G11	TP538	F9
R506	H7	TP539	F9
R510	I3	TP540	G9
R511	I3	TP541	G9
R512	E4	TP542	G9
R513	E4	TP543	G9
R514	G4	TP544	G9
R517	N6	TP545	D11
R518	N6	TP546	G10
R519	N5	TP547	D5
R524	I6	TP548	D6
R525	I6	XTAL1	G10

7. DIGITRON(TIMER) & KEY CIRCUIT DIAGRAM

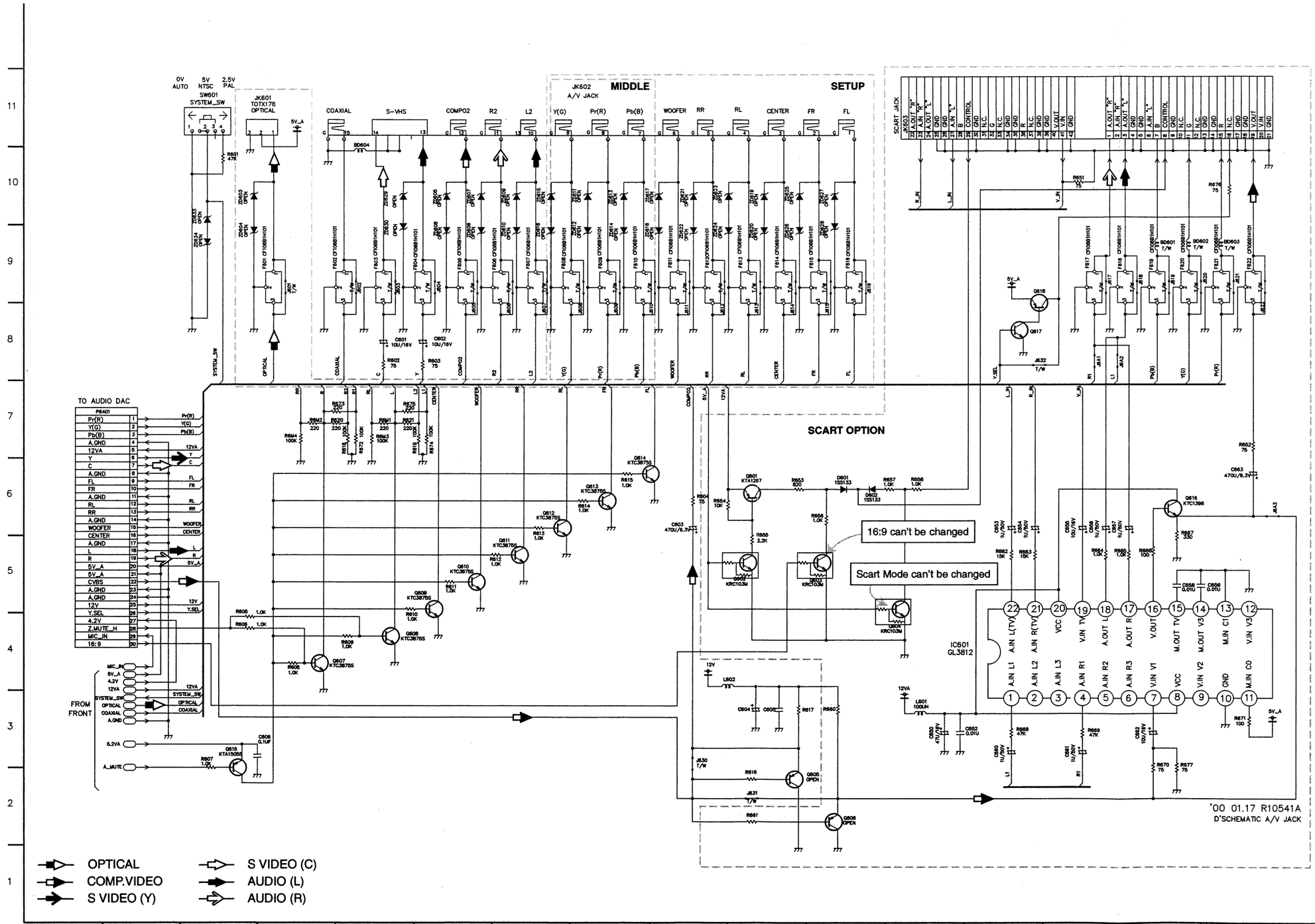


		0	
D901	PAL	PAL	NTSC
D902	AIWA	AIWA REMOCON	LG REMOCON
D903	AUDIO	AUDIO 6CH	AUDIO 2CH
D904	SCART	COM. RGB	COMPO. YPbPr
D905	CONTINUOUS	NOT USED	
D906	VIDEO	ENCODER 7128	ENCODER 7126
D907	VCD	VCD Enable	VCD Disable
D908	SKIP/SEARCH	SKIP	SKIP/SEARCH

LOCATION GUIDE

C801	G5	R813	H3
C802	G4	R814	F2
C803	G4	R816	H3
C804	H4	R817	I3
C805	I4	R818	J3
C806	I4	R819	G3
C807	I4	R821	L2
C810	I3	R822	J5
C811	J3	R826	K4
C812	J2	R827	K3
C813	J4	R828	J3
C814	K3	R901	I10
C815	J4	R902	H8
C816	K3	R903	C11
C817	J2	R904	C11
C818	J4	R905	C11
C821	L1	R906	B11
C822	I3	R907	B11
C823	H3	R908	I10
C824	G3	R909	I10
C901	H7	R910	I10
C902	H7	R912	C11
C903	I8	R913	I7
C904	I8	R914	G11
C905	I7	R915	F10
C906	L6	R916	H10
C907	L7	R917	I10
C908	I7	R918	I10
C909	N6	R919	I10
C910	M5	R920	H10
C912	I6	R921	N8
C913	I8	R922	M9
D.GND	O4	R923	H10
D.GND	N4	R924	H10
D.GND	C4	R925	H8
D901	L9	R926	H8
D902	L8	R927	H8
D903	L8	R928	I8
D904	L8	R929	J10
D905	M8	R930	K10
D906	M8	R931	I7
D907	M8	R940	G8
D908	M8	R941	B11
D909	F11	R942	I6
DIG901	P11	R943	J6
IC801	G5	R944	I7
IC802	J3	R945	H10
IC901	J8	RC901	H6
IC902	H8	SW901	E10
J801	F5	SW902	C10
J802	F3	SW903	C10
J803	I2	SW904	C10
J804	K2	SW905	B10
JS901	A9	SW906	B10
L802	J4	SW907	B10
L902	L5	SW908	A10
LED901	D10	SW909	B9
P9501	B6	SW910	D9
P9901	E10	SW911	C9
P9902	F10	SW912	C9
P9903	E9	SW913	C9
P9904	F9	SW914	C9
Q901	G11	VR801	H3
Q902	H11	VR802	H3
R801	G4	VR803	K2
R802	G5	X901	I8
R803	G4	ZD801	F4
R804	G4	ZD802	F4
R805	G4	ZD803	F3
R807	H4	ZD804	F2
R808	I4	ZD805	I2
R809	I4	ZD806	I1
R811	I4	ZD901	J10

8. JACK CIRCUIT DIAGRAM

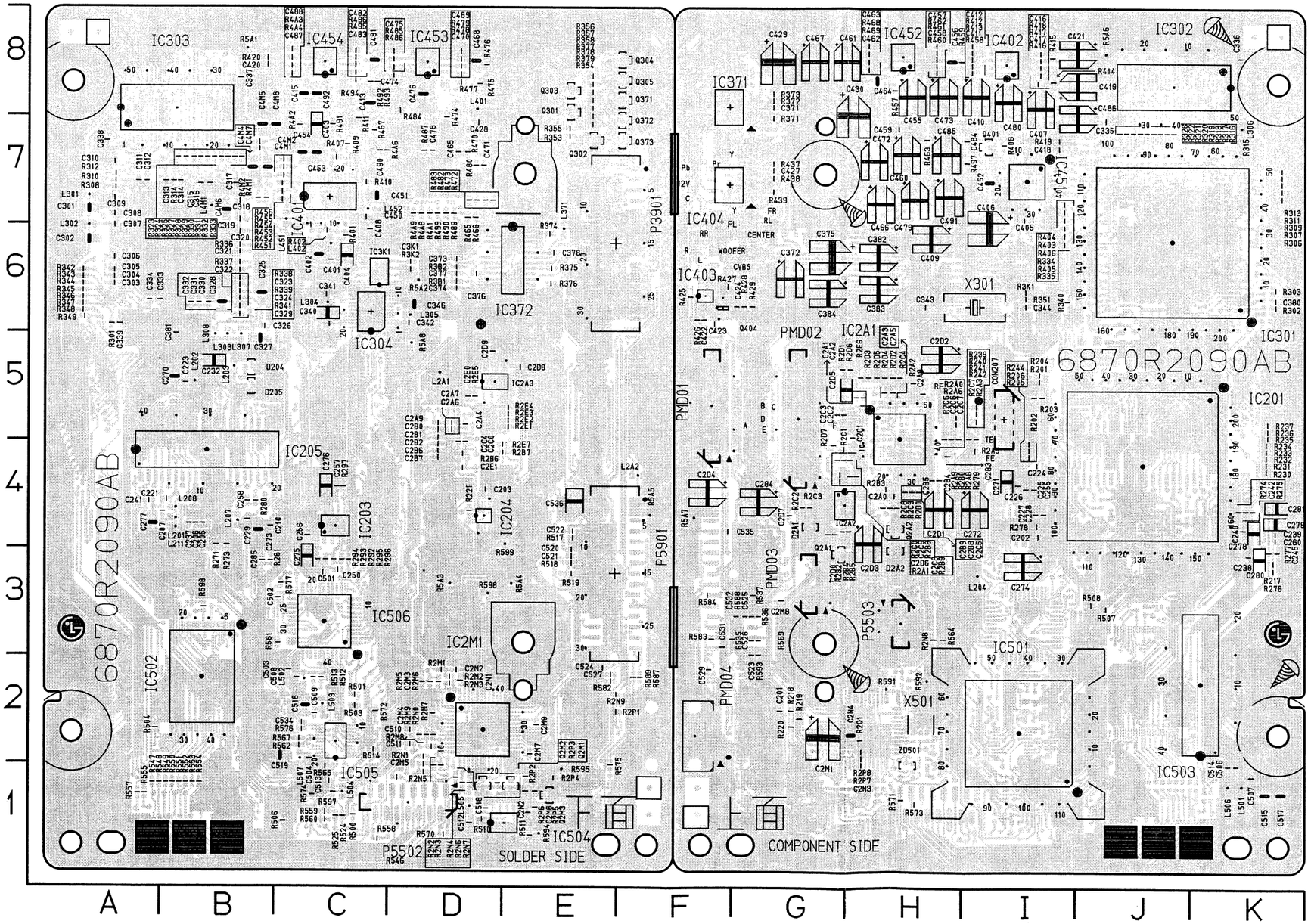


LOCATION GUIDE

BD601	O9	Q610	F5
BD602	O9	Q611	G5
BD603	P9	Q612	G6
BD604	E11	Q613	H6
C601	E8	Q614	H6
C602	F8	Q615	C3
C603	I6	Q616	O6
C604	J3	Q617	M8
C605	J3	Q618	M9
C606	D3	R601	C10
C650	L3	R602	E8
C652	M3	R603	F8
C653	M6	R604	I6
C654	M6	R605	C4
C655	N6	R606	C4
C656	N6	R607	C3
C657	N6	R608	D4
C658	O5	R609	E4
C659	P5	R610	E4
C660	M3	R611	F5
C661	N3	R612	F5
C662	O3	R613	G6
C663	P6	R614	H6
D601	K6	R615	H6
D602	K6	R616	J2
F601	D9	R617	J3
F602	E9	R618	E7
F603	E9	R619	F7
F604	F9	R620	D7
F605	F9	R621	E7
F606	G9	R651	N10
F607	G9	R652	P7
F608	G9	R653	J6
F609	H9	R654	I6
F610	H9	R655	J5
F611	I9	R656	K6
F612	I9	R657	K6
F613	J9	R658	L6
F614	J9	R660	K3
F615	K9	R661	J5
F616	K9	R662	M5
F617	N9	R663	M5
F618	O9	R664	N5
F619	O9	R665	N5
F620	O9	R666	O5
F621	P9	R667	O6
F622	P9	R668	M3
IC601	L4	R669	N3
J601	D9	R670	O3
J602	E9	R671	P3
J603	E9	R672	E7
J604	F9	R673	D7
J605	F8	R674	F7
J606	G8	R675	E7
J607	G8	R676	P10
J608	H8	R677	O3
J609	H8	R6M1	E7
J610	I8	R6M2	D7
J611	I8	R6M3	E7
J612	I8	R6M4	D7
J613	J8	ZD603	C10
J614	J8	ZD604	C9
J615	K8	ZD605	F10
J616	K9	ZD606	F9
J617	N9	ZD607	F10
J618	O9	ZD608	F9
J619	O9	ZD609	G10
J620	P9	ZD610	G9
J621	P9	ZD611	H10
J622	P8	ZD612	H9
J630	I3	ZD613	H10
J631	J2	ZD614	H9
J632	M8	ZD615	G10
J6A1	N8	ZD616	G9
J6A2	O8	ZD617	H10
J6A3	P6	ZD618	H9
JK601	C11	ZD619	J10
JK602	H11	ZD620	J9
JK603	L11	ZD621	I10
L601	L3	ZD622	I9
L602	I4	ZD623	I10
Q601	J6	ZD624	I9
Q602	J5	ZD625	J10
Q603	K5	ZD626	J9
Q604	L4	ZD627	K10
Q605	K2	ZD628	K9
Q606	K2	ZD629	E10
Q607	D4	ZD630	E9
Q608	E4	ZD633	C10
Q609	F5	ZD634	C9

PRINTED CIRCUIT DIAGRAMS

1. MAIN P.C.BOARD



LOCATION GUIDE

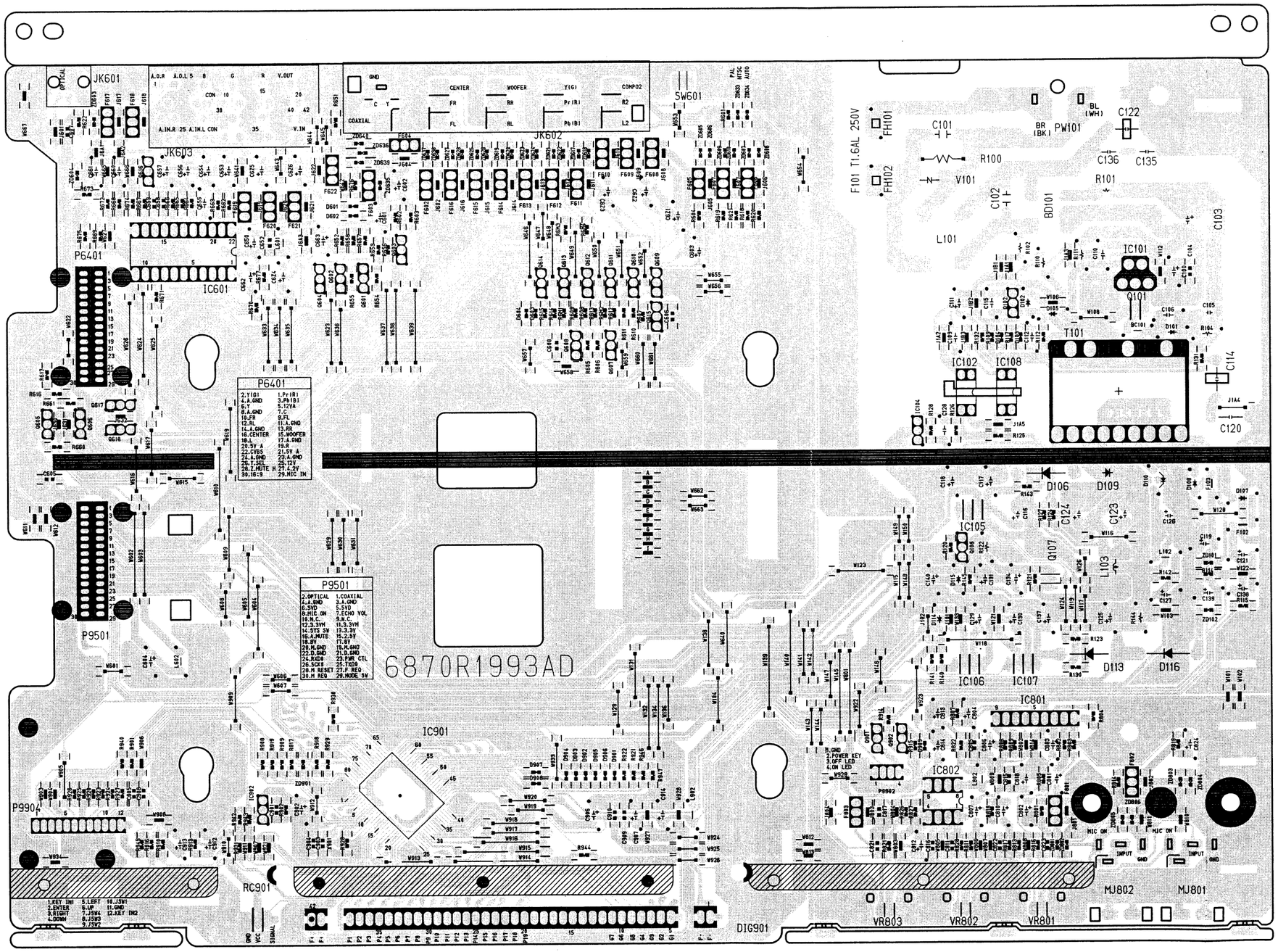
(SOLDER SIDE)

G203	D4	C306	A6	C420	B8	D205	B5	Q302	E7	R308	A7	R451	C7	R512	G3
G205	B4	C307	A6	C428	B8	IC203	C4	Q303	E8	R310	A7	R452	C7	R513	G3
G206	B4	C308	A7	C450	C7	IC204	D4	Q304	F8	R312	A7	R453	C7	R514	E4
G207	B4	C309	A7	C451	C7	IC205	B4	Q305	F8	R314	B7	R454	C7	R517	E4
G210	B4	C310	A7	C453	C7	IC243	D5	Q371	F8	R323	B7	R455	C7	R518	E3
G221	B4	C311	A7	C454	C7	IC2M1	D2	Q372	F7	R324	B7	R456	C7	R519	E3
G223	B5	C312	A7	C465	D7	IC303	B8	Q373	F7	R325	B7	R465	D7	R524	C1
G229	B4	C313	B7	C468	D8	IC304	G5	R221	D4	R327	B7	R466	D7	R525	C1
G232	B5	C314	B7	C469	D8	IC372	E6	R271	B4	R328	B7	R467	C7	R546	D1
G234	B4	C315	B7	C470	D8	IC3K1	C6	R273	B4	R329	B7	R470	D7	R547	A1
G241	A4	C316	B7	C471	D7	IC401	C7	R280	B4	R330	B7	R472	D7	R548	A1
G250	C3	C317	B7	C474	D8	IC453	D8	R281	B3	R331	B7	R473	D7	R549	B1
G256	C4	C318	B7	C475	D8	IC454	C8	R292	C3	R332	B7	R474	D7	R550	B1
G257	B4	C319	B7	C476	D8	IC502	B2	R293	C3	R333	B7	R475	D8	R551	B1
G258	B4	C320	B7	C478	D7	IC504	E1	R294	C3	R336	B6	R476	D8	R552	B1
G270	B5	C321	B6	C481	C8	IC505	C2	R295	C3	R337	B6	R477	D8	R553	B1
G273	B4	C322	B6	C482	C8	IC506	C3	R296	C3	R338	B6	R478	D8	R554	B1
G275	C3	C323	B6	C483	C8	L201	B4	R297	C4	R339	B6	R479	D8	R555	A1
G276	C4	C324	B6	C487	C8	L202	B5	R298	D4	R341	B6	R480	D8	R556	A1
G277	A4	C325	B6	C488	C8	L203	B5	R342	A6	R343	A6	R484	D8	R558	C1
G285	B3	C326	B6	C490	C7	L207	B4	R343	A6	R344	A6	R485	D8	R559	C1
G2A1	D5	C327	B6	C492	C8	L208	B4	R344	A6	R345	A6	R486	D8	R560	C1
G2A6	D5	C328	B6	C4M1	B7	L211	B4	R345	A6	R346	A6	R487	D7	R562	C2
G2A7	D5	C329	B6	C4M2	B7	L2A1	D5	R346	A6	R347	A6	R489	D7	R565	C2
G2A9	D5	C330	B6	C4M4	B7	L2A2	F4	R347	A6	R348	A6	R490	D7	R567	C2
G2B0	D5	C331	B6	C4M5	B7	L301	A7	R348	A6	R349	A6	R491	D7	R570	D1
G2B1	D5	C332	B6	C4M6	B7	L302	A6	R349	A6	R350	C6	R492	D7	R572	C2
G2B2	D4	C333	A6	C4M7	B7	L303	B5	R350	C6	R353	E7	R493	D7	R574	C2
G2B6	D4	C334	A6	C4M8	B7	L304	G5	R353	E7	R354	E7	R494	C8	R575	E1
G2B7	D4	C337	B6	C501	C3	L305	D6	R354	E7	R355	E7	R495	C8	R576	G3
G2C0	D4	C338	A6	C502	C3	L306	D6	R355	E7	R356	E8	R496	C8	R577	G3
G2C4	D4	C339	A6	C503	C3	L307	B5	R356	E8	R357	E8	R497	C8	R580	G3
G2D8	E5	C340	C6	C504	C3	L308	B5	R357	E8	R358	E8	R499	D7	R582	E2
G2D9	D5	C341	C6	C508	C3	L371	E6	R358	E8	R359	E8	R500	C1	R587	F2
G2E0	D5	C342	C6	C509	C3	L401	D8	R359	E8	R374	E6	R4A1	C7	R588	F2
G2E1	D4	C346	D6	C510	D2	L402	C6	R360	E8	R375	E6	R4A2	C7	R589	E1
G2H2	D2	C373	D6	C511	D1	L451	C7	R361	E8	R376	E6	R4A3	C8	R595	E1
G2H3	D2	C374	D6	C512	D1	L452	C7	R362	E8	R377	E8	R4A4	C8	R596	G3
G2H4	D2	C375	D6	C513	C1	L4M1	B7	R363	E8	R378	E8	R4A6	C7	R597	C1
G2H5	D2	C376	D6	C516	D1	L502	C2	R364	E8	R379	E8	R4A8	D7	R598	B3
G2H6	E1	C378	E6	C518	D1	L503	C2	R365	E8	R381	D6	R4A9	D7	R599	E4
G2H7	E2	C381	B5	C519	C2	L504	C1	R366	E8	R382	D6	R4M1	B7	R5A1	B8
G2H8	E2	C382	D6	C520	E3	L505	D1	R367	E8	R3K2	D6	R4M2	B7	R5A2	D6
G2H9	D2	C401	C6	C521	E3	L507	C2	R368	E8	R3K3	D6	R4M3	B7	R5A3	E3
G2N2	E1	C402	C6	C522	E4	P3901	E6	R369	E8	R2M1	E1	R500	C1	R5A4	E3
G2N3	E1	C403	C7	C524	E2	P5502	D1	R370	E8	R2M2	E1	R501	C2	R5A5	F4
G301	A7	C404	C6	C527	E3	P5901	E3	R371	E8	R2M3	E1	R503	C2	R5A8	D6
G302	A6	C408	C6	C534	D1	R2M4	E1	R372	E8	R2M5	E1	R504	A2		
G303	A6	C409	C8	C536	E4	R2M6	E1	R373	E8	R2M7	D1	R506	C1		
G304	A6	C413	C8	D204	B5	R2M8	E1	R374	E8	R2M9	E2	R510	D1		
G305	A6	C415	C8	D294	B5	Q301	E8	R301	A6	R2N1	E2	R511	E1		

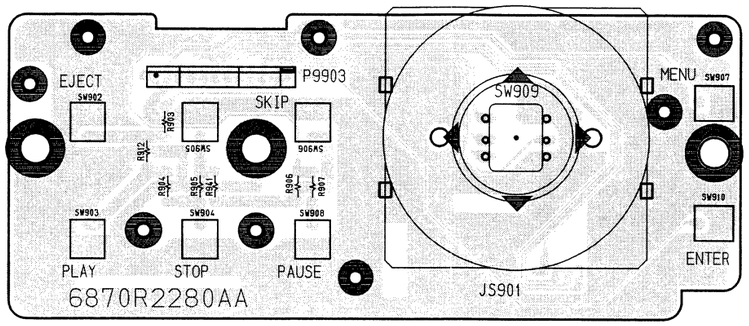
(COMPONENT SIDE)

G201	G2	C207	G4	C473	H8	R201	I5	R2C4	H5	R413	I8	TP506	H3		
G202	I4	C209	G3	C479	H7	R202	I5	R2C5	H5	R414	I8	TP507	J2		
G224	I4	C2M8	G3	C484	I7	R203	I5	R2C7	I5	R415	I8	TP508	I2		
G225	I4	C2N8	H1	C485	H7	R204	I5	R2C8	H4	R416	I8	TP509	J2		
G226	I4	C2N4	H2	C486	J7	R205	I4	R2C9	H4	R417	I8	TP510	K2		
G227	I4	C3335	J7	C4M6	J7	R206	I4	R2D0	H4	R418	I8	TP511	J2		
G228	I4	C401	K8	C501	K1	R207	G4	R2D1	G5	R419	G7	TP512	K2		
G238	K3	C343	H5	C506	K1	R218	G2	R2D2	H5	R425	F6	TP513	K2		
G239	K4	C344	I6	C507	K1	R219	G2	R2D3	H5	R426	F6	TP514	K2		
G240	K4	C371	G8	C514	K1	R220	G2	R2D4	H5	R427	F6	TP515	J2		
G244	K4	C372	G6	C515	K1	R230	K4	R2D5	H5	R428	G6	TP516	K2		
G245	K3	C375	G6	C517	K1	R231	K4	R2D6	H5	R429	G6	TP517	K2		
G255	I4	C380	K6	C523	G3	R232	K4	R2D7	G4	R437	G7	TP518	K2		
G260	K4	C382	H6	C525	G3	R233	K4	R2E6	H5	R438	G7	TP519	J2		
G271	I4	C383	G6	C526	G3	R234	K4	R2N6	H5	R439	G7	TP520	J1		
G272	I4	C384	G6	C529	F2	R235	K5	R2P7	H2	R457	H8	TP521	J2		
G274	I3	C405	I7	C531	F3	R236	K5	R2P8	H2	R458	I8	TP522	J1		
G278	K4	C406	I6	C532	G3	R237	K5	R201	H2	R459	I8	TP523	J2		
G279	K4	C407	I6	C535	F2	R239	I5	R302	K6	R460	H8	TP524	K3		
G280	K3	C409	H6	D3N207	I5	R240	I5	R303	K6	R461	H8	TP525	K2		
G281	K4	C410	I8	D2A1	G4	R241	I5	R306	K7	R462	H8	TP526	J3		
G284	G4	C411	I8	D2A2	H3	R242	I5	R307	K7	R463	H7	TP527	J3		
G2A0	I5	C412	I8	IC2A1	J4	R244	I4	R309	K7	R468	H8	TP528	I3		
G2A1	H5	C416	I8	IC2A1	H5	R274	K4	R311	K7	R469	H8	TP529	J3		
G2A2	H5	C417	I8	IC2A2	G4	R275	K4	R313	K7	R497	I7	TP530	J3		
G2A3	H5	C418	I7	IC301	J6	R276	K3	R315	J7	R507	J3	TP531	J3		
G2A5	H5	C419	J6	IC371	F8	R277	K3	R316	J7	R508	J3	TP532	J2		
G2A8	H5	C421	I6	IC371	F8	R278	I4	R317	J7	R535	J3	TP533	J2		
G2B3	H4	C422	F6	IC402	I8	R279	I4	R318	J7	R536	G3	TP534	J3		
G2B4	H4	C423	F6	IC403	F6	R2A0	H5	R319	J7	R537	G3	TP535	J3		
G2B5	H4	C424	G6	IC404	I7	R2A1	G4	R320	J7	R564	K3	TP536	I3		
G2B8	H4	C427	G6	IC451	I7	R2A2	I5	R321	J7	R569	K3	TP537	J3		
G2B9	H4	C429	G8	IC452	H8	R2A3	I5	R322	J7	R571	H1	TP538	J3		
G2C1	H5	C430	H6	IC501	I2	R2A5	I4	R326	J7	R573	H1	TP539	J2		
G2C2	G5	C432	I7	IC503	K2	R2A6	H5	R334	I6	R583	F3	TP540	J2		
G2C3	H5	C452	I7	L204	K2	R2A8	I4	R335	I6	R585	F3	TP541	J3		
G2C5	H4	C456	H6	L306	K7	R2A9	H4	R340	I6	R588	G3	TP542	K3		
G2C6	H5	C457	H6	L501	K1	R2B0	I4	R351	I6	R591	H2	TP543	K3		
G2C7	H5	C458	H6	L506	K1	R2B2	G4	R371	G7	R592	H2	TP544	K3		
G2C8	H4	C459	H7	P5503	H3	R2B4	G4	R372	G8	R593	G3	TP545	J2		
G2C9	G4	C460	H7	PMD01	F5	R2B5	H4	R373	G8	R5A6	J8	TP546	J2		
G2D0	G4	C461	H6	PMD02	G5	R2B8	H4	R3K1	I6	R5A7	F4	TP547	I3		
G2D1	H4	C462	H6	PMD03	G3	R2B9	H4	R403	I7	TP2A1	H5	TP548	I3		
G2D2	H5	C463	H6	PMD04	F2	R2C0	G4	R404	I7	TP501	K2	TP549	J3		
G2D4	F4	C464	H6	Q2A1	G3	R2C1	G4	R405	I6	TP502	J2	X301	I6		
G2D5	F4	C466	H7	Q2A2	H4	R2C2	G4	R406	I7	TP503	H3	X501	H2		
G2D6	E5	C467	G8	Q401	I7	R2C3	G4	R408	I7	TP504	H3	ZD501	H1		
G2D7	E4	C472	H7	Q404	F6			R412	I8	TP505	H3				

2. Power, A/V, Front P.C.BOARD

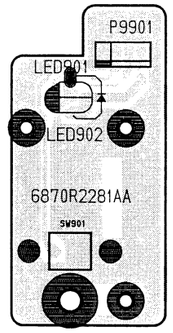


3. KEY P.C.BOARD



(Solder Side)

4. Power LED P.C.BOARD



(Solder Side)

SECTION 4 MECHANISM

CONTENTS

DECK MECHANISM PARTS LOCATIONS

- Top View....4-1
- Top View(without Tray Disc) 4-1
- Bottom View 4-1

DECK MECHANISM DISASSEMBLY

1. Holder Clamp....4-2

    1-1. Clamp Assembly Disc....4-2
        1-1-1. Plate Clamp 4-2
        1-1-2. Magnet Clamp 4-2
        1-1-3. Clamp Upper....4-2

2. Tray Disc 4-2

3. Base Assembly Sled 4-3

    3-1. Gear Assembly Feed 4-3
    3-2. Gear Assembly Middle....4-3
    3-3. Gear Assembly Rack 4-3

4. Rubber Rear....4-3
5. Frame Assembly Up/Down 4-4
6. Belt Loading....4-4
7. Gear Pulley 4-4
8. Gear Loading 4-4
9. Guide Up/Down....4-4
10. PWB Assembly Loading 4-4
11. Base Main....4-4

DECK MECHANISM ADJUSTMENT

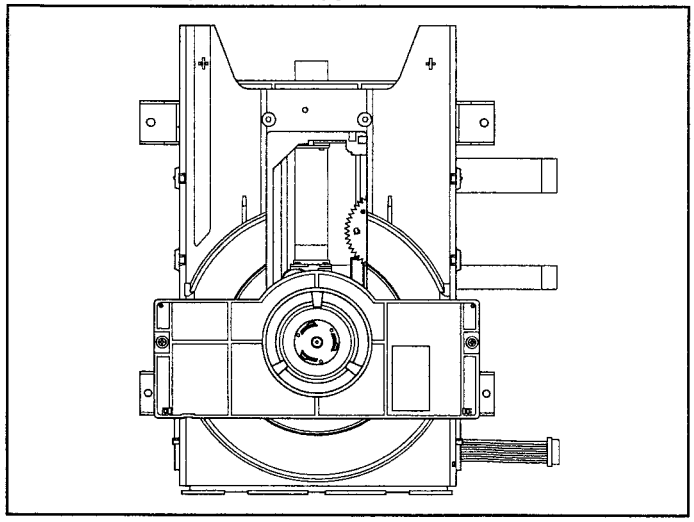
1. Tools and Fixtures for SVC 4-5
2. Install Process 4-5
3. Adjustment Process....4-6

EXPLODED VIEW

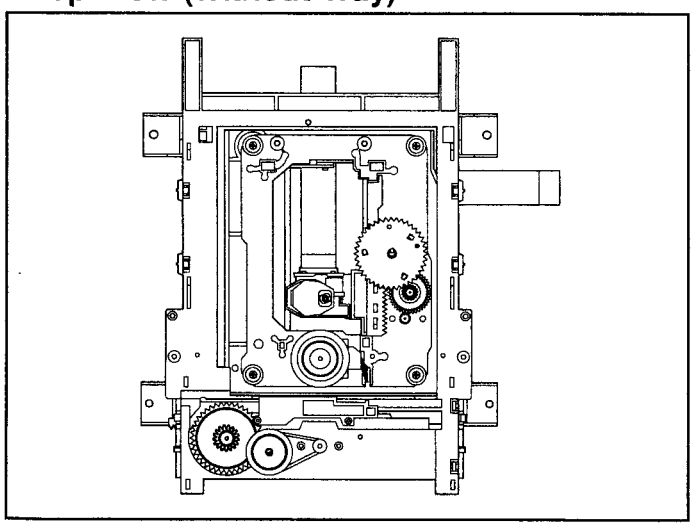
1. Deck Mechanism Exploded View....4-7

DECK MECHANISM PARTS LOCATION

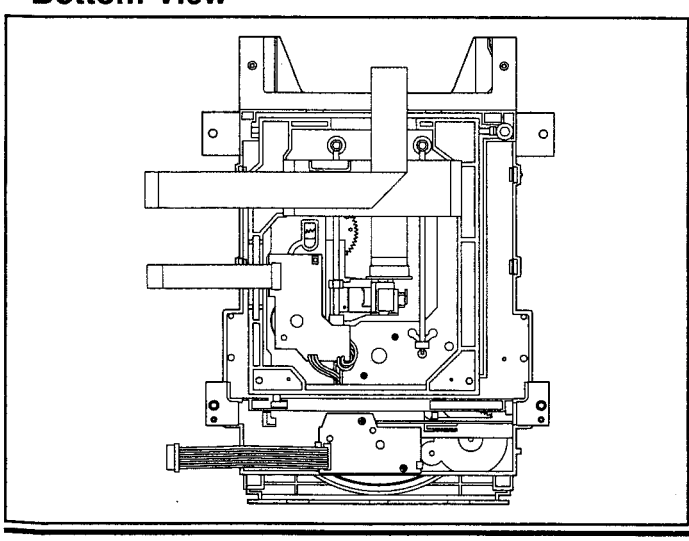
• Top View (With Tray)



• Top View (Without Tray)



• Bottom View



Procedure Starting No.		Parts	Fixing Type	Disassembly	Figure
	1	Holder Clamp	2 Screws, 2 Locking Tabs		4-1
1	2	Clamp Assembly Disc			4-1
1, 2	3	Plate Clamp			4-1
1, 2, 3	4	Magnet Clamp			4-1
1, 2, 3, 4	5	Clamp Upper			4-1
1	6	Tray Disc			4-2
1, 6	7	Base Assembly Sled			4-3
1, 2, 6	8	Gear Assembly Feed	4 Screws, 1 Connector 1 Locking Tabs		4-3
1, 2, 6, 8	9	Gear Middle			4-3
1, 2, 6, 8, 9	10	Gear Assembly Rack	1 Screw		4-3
1, 2, 7	11	Rubber Rear			4-3
1, 2, 7	12	Frame Assembly Up/Down	1 Screw	Bottom	4-4
1, 2	13	Belt Loading	1 Locking Tab		4-4
1, 2 ,13	14	Gear Pulley			4-4
1, 2, 13, 14	15	Gear Loading	1 Locking Tab		4-4
1, 2, 7, 12, 13, 14	16	Guide Up/Down			4-4
1, 2, 13	17	PWB Assembly Loading	1 Locking Tab 1 Hook 2Screw	Bottom	4-4
1, 2, 7, 12, 13, 14, 15, 16, 17	18	Base Main	2 Locking Tabs		4-4

Note

When reassembling, perform the procedure in reverse order.

The "Bottom" on Disassembly column of above Table indicates the part should be disassembled at the Bottom side.

DECK MECHANISM DISASSEMBLY

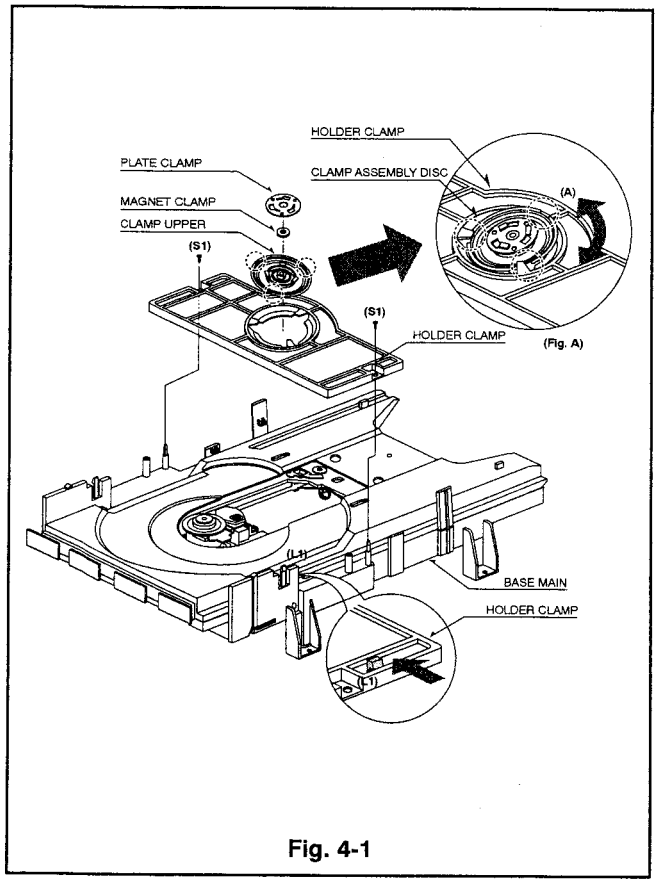


Fig. 4-1

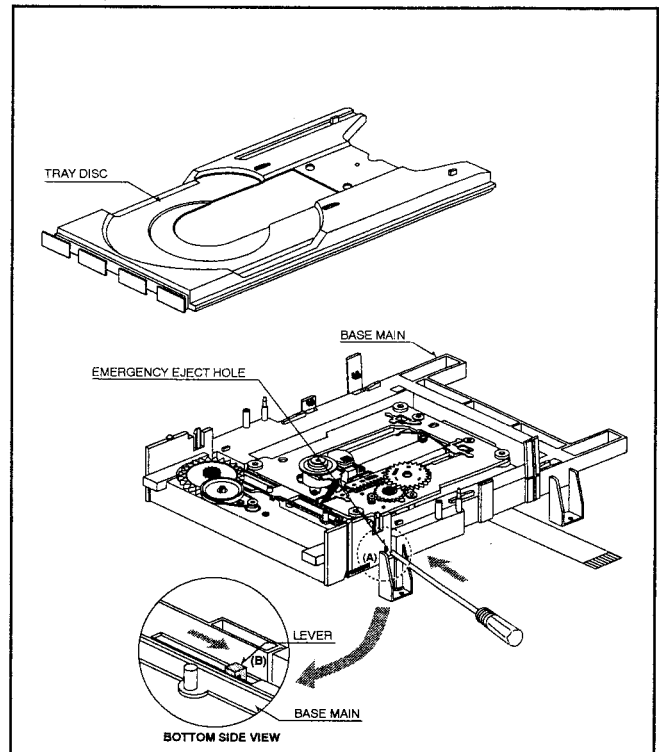


Fig. 4-2

1. Holder Clamp (Fig. 4-1)

1) Release 2 Screws(S1).
2) Unhook 2 Locking Tabs(L1).
3) Lift up the Holder Clamp and then separate it from the Base Main.

1-1. Clamp Assembly Disc

1) Place the Clamp Assembly Disc as Fig. (A)
2) Lift up the Clamp Assembly Disc in direction of arrow(A).
3) Separate the Clamp Assembly Disc from the Holder Clamp.

1-1-1. Plate Clamp

1) Turn the Plate Clamp to counterclockwise direction and then lift up the Plate Clamp.

1-1-2. Magnet Clamp

1-1-3. Clamp Upper

2. Tray Disc (Fig. 4-2)

1) Insert and push a Driver in the emergency eject hole(A) at the right side, or put the Driver on the Lever(B) of the Gear Emergency and pull the Lever(B) in direction of arrow so that the Tray Disc is ejected about 15~20mm.
2) Pull the Tray Disc until it is separated from the Base Main completely.

DECK MECHANISM DISASSEMBLY

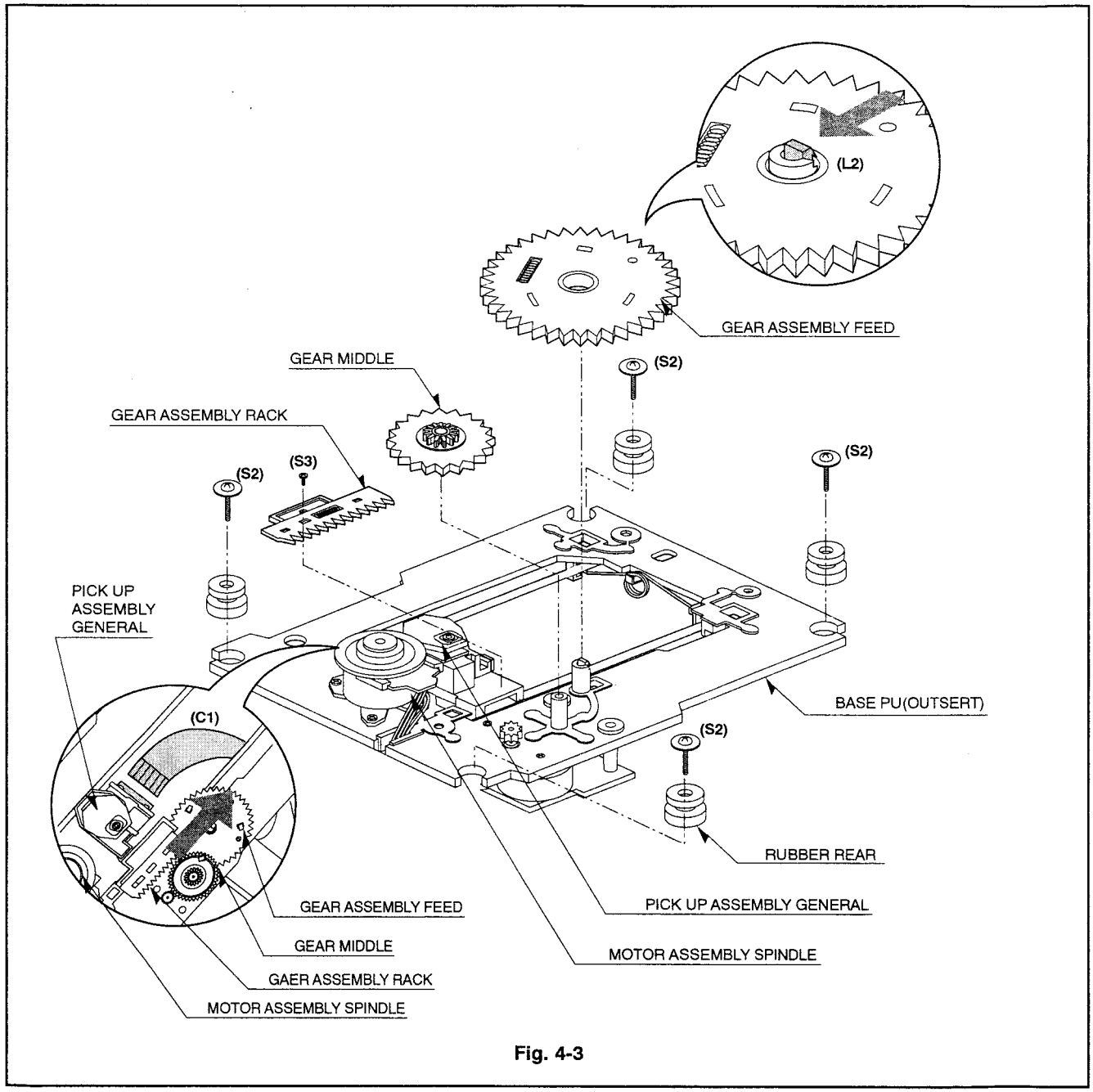


Fig. 4-3

3. Base Assembly Sled (Fig. 4-3)

1) Release 4 Screw(S2).
2) Disconnect the FFC Connector(C1)

3-1. Gear Assembly Feed

1) Unhook the Locking Tab(L2) in direction of arrow.

3-2. Gear Middle

3-3. Gear Assembly Rack

1) Release the Scerw(S3)

4. Rubber Rear (Fig. 4-3)

DECK MECHANISM DISASSEMBLY

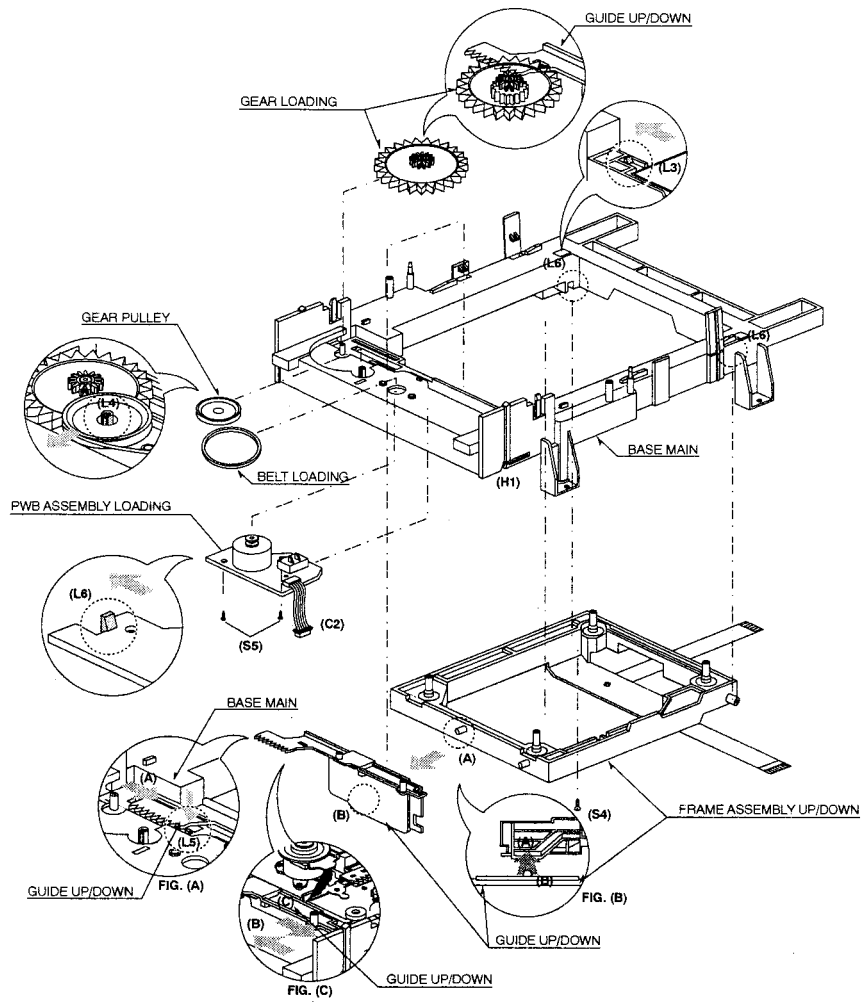


Fig. 4-4

5. Frame Assembly Up/Down

Note

Put the Base Main face down(Bottom Side)

1) Release the Screw(S4)
2) Unlock the Locking Tab(L3) in direction of arrow and then lift up the Frame Assembly Up/Down to separate it from the Base Main.

Note

- When reassembling move the Guide Up/Down in direction of arrow(C) until it is positioned as Fig.(C).
- When reassembling insert (A) portion of the Frame Assembly Up/Down in the (B) portion of the Guide Up/Down as Fig.(B)

6. Belt Loading(Fig. 4-4)

Note

Put the Base Assembly Main on original position(Top Side)

7. Gear pulley (Fig. 4-4)

1) Unlock the Locking Tab(L4) in direction of arrow(B) and then separate the Gear Pulley from the Base Main.

8. Gear Loading (Fig. 4-4)

9. Guide Up/Down (Fig. 4-4)

1) Move the Guide Up/Down in direction of arrow(A) as Fig.(A)
2) Push the Locking Tab(L5) down and then lift up the Guide Up/Down to separate it from the Base Main.

Note

When reassembling place the Guide Up/Down as Fig.(C) and move it in direction arrow(B) until it is locked by the Locking Tab(L5). And confirm the Guide Up/Down as Fig.(A)

10. PWB Assembly Loading

Note

Put the Base Main face down(Bottom Side)

1) Release 2 Screws(S5)
2) Unkool the Loading Motor Connector (C2) from the Hook (H1) on the Base Main.
3) Unlock 2 Locking Tabs(L6) and separate the PWB Assembly Loading from the Base Main.

11. Base Main(Fig. 4-4)

DECK MECHANISM ADJUSTMENT

1. Tools and Fixtures for SVC

• For SVC Program Down-Load

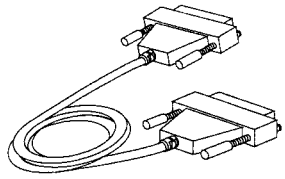


Fig.1. Printer Cable

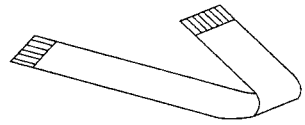


Fig.2. FFC Cable (15 pin)

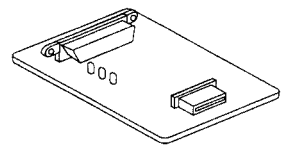


Fig.3. Jig Board

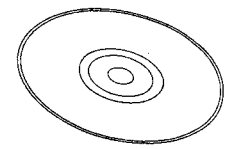


Fig.4. Deviation Disc (0.8mm)

• For T-Skew and R-Skew Adjustment

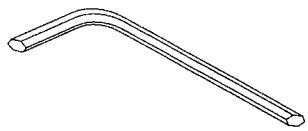


Fig.5. L-Wrench(3mm)

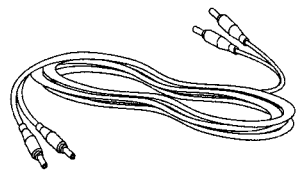


Fig.6. RCA Jack

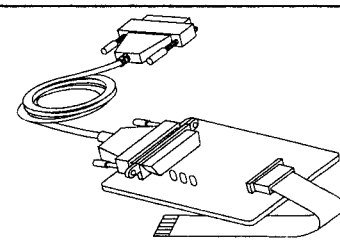


Fig.7. Connecting Method

2. Install Process

1. Connect Fig. 1, 2, 3 as Fig. 7.
2. Plug out the Power cord of DVD set.
3. Connect FFC Cable(Fig.2) to the Connector on DVD Set(Fig.8)
4. Connect Printer Cable(Fig.1) to the P.C.Printer Port (LPT1).
5. Plug in the DVD Power cord.
6. Press the Menu key on Remocon.
7. Confirm No.1 LED(RED Color) of Jig board is ON. (Fig.9)
8. Perform The S/W for Down-load at P.C.
9. Open the Program File for Adjusting(Fig.10)
10. Click the Down-load Icon and perform Program Down-load.
11. Displayed remaining time.
12. Confirm LED No.1(RED) and No.2(GREEN) is ON.
13. Plug out the DVD Set Power cord.
14. Disconnect the FFC Cable.

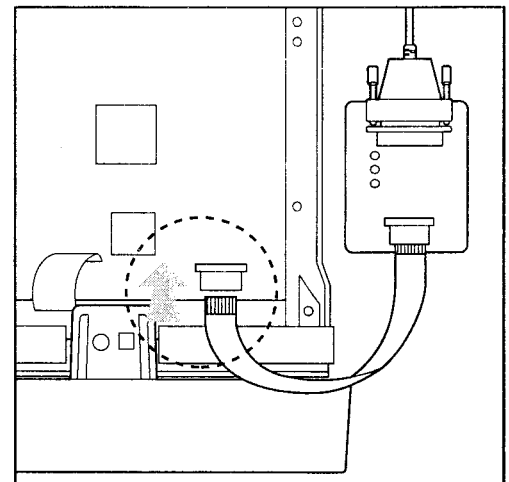


Fig.8. FFC Cable Connecting

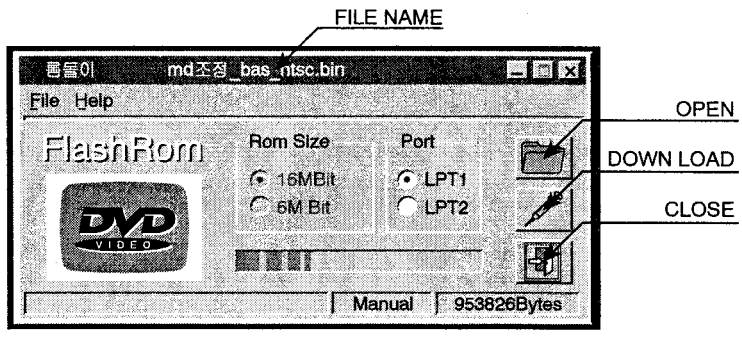


Fig.10. Adjusting Program File Open

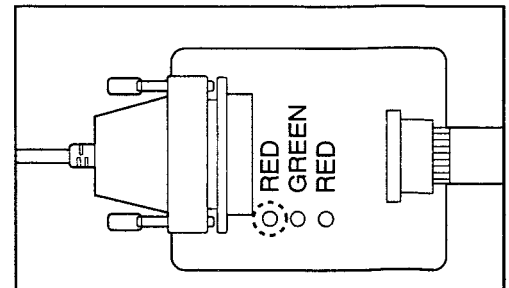


Fig.9. Jig Board LED Condition

DECK MECHANISM ADJUSTMENT

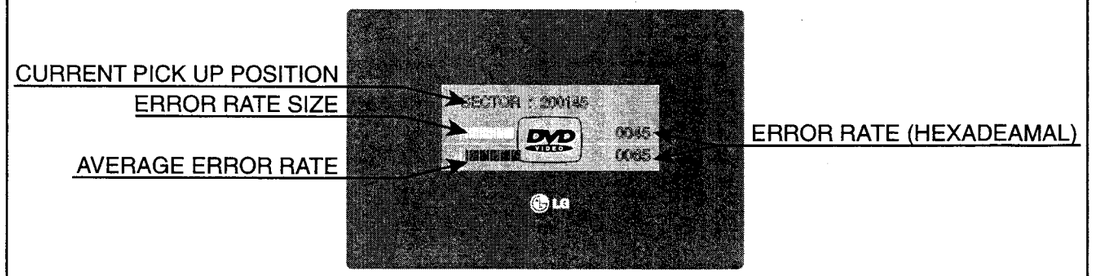


Fig.11. Adjusting Screen Display

3. Adjustment Procedure

1. Insert Disc(Only Open/Close Key Pressing)
2. Wait Until the Sector Display is about 200,000 (Fig.11)
3. Adjust R-Skew adjusting Point until the Error rate has Minimum rate with L-wrench (3mm).
4. Adjust T-Skew Adjusting Point until the Error rate has Minimum rate.
5. Repeat No. 3, 4 adjusting procedure until the Error rate have Minimum rate.
6. Error rate; SVC-3561 Disc=below 30 and TDV-533 Disc=below 100. If not, Please confirm Play ability on screen.

You can watch the screen when pressing the Stop key after the Adjusting is finished, Then perform Play and Scan/Skip operation at Chapter1 and Chapter16 and confirm screen condition, normal or abnormal.

• Please obtain these software for Adjusting through our Global Cyber Service Center(GCSC).
• The location is http://biz.lgservice.com
  ⇒ Web Site for End users
  ⇒ Software updates
  ⇒ Product : DVD Player
  ⇒ Search.

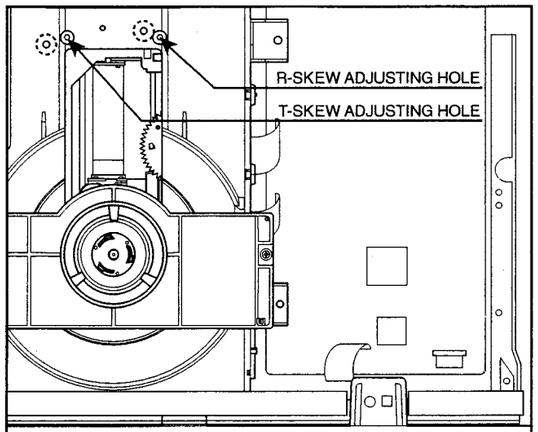
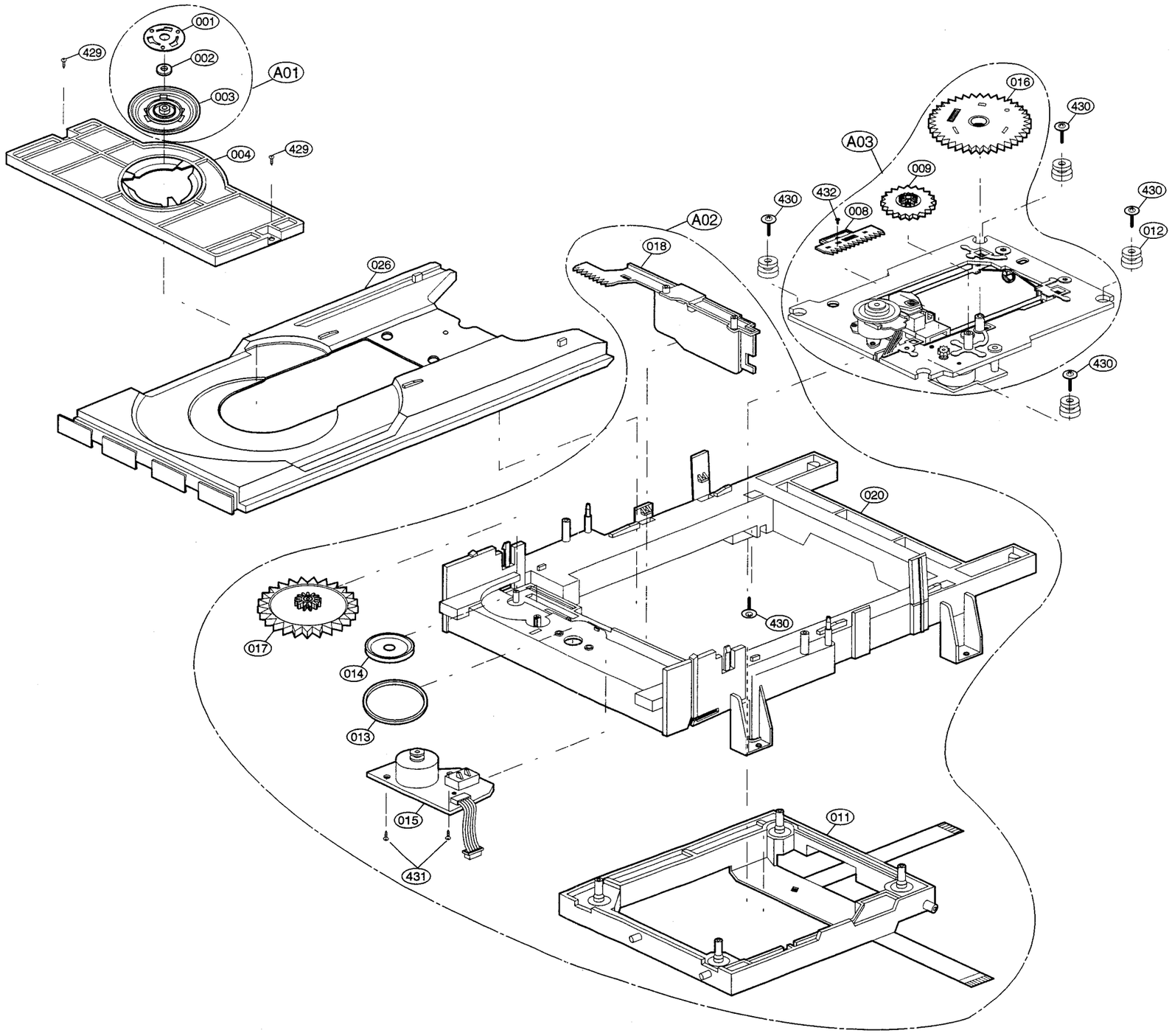


Fig.12. Adjusting Method

MEMO

EXPLODED VIEWS

1. Deck Mechanism Exploded View



SECTION 5 REPLACEMENT PARTS LIST

· Mechanical Section

RUN DATE : 00.10.20
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
				ASSEMBLY PARTS SECTION		
		A00	6721R-0304A	DECK ASSY,VIDEO	DVD PLAYER(DP2)	
		A01	4861R-0006A	CLAMP ASSY	DISC(DP2)	
		A02	3041R-0010A	BASE ASSY	MAIN(DP2 PLAYER)	
		A03	3041R-0011A	BASE ASSY	SLED(DP2)	
				PARTS SECTION		
		001	3300R-0547A	PLATE	CLAMP	NSP
		002	5016H-1016B	MAGNET	CLAMP(LDM-R608,10*5,1*1.5T)	NSP
		003	4860R-0006A	CLAMP	UPPER	NSP
		004	4930R-0171A	HOLDER	CLAMP	
		008	4470R-0047A	GEAR	ASSY RACK	
		009	4470R-0053A	GEAR	MIDDLE	
		011	3211R-0021A	FRAME ASSY	UP/DOWN(DP2)	
		013	4400R-0006A	BELT	LOADING	
		014	4470R-0055A	GEAR	PULLEY	
		015	6871R-2014A	PWB(PCB) ASSY,TOTAL	LOADING (DP2)	
		016	4470R-0050A	GEAR	ASSY FEED	
	OR	016	5040R-0047B	RUBBER	DAMPER(E2,5040H-1054A),CHUNPOO	
		017	4470R-0056A	GEAR	LOADING	
		018	4974R-0023A	GUIDE	UP/DOWN	
		020	3040R-0024A	BASE	MAIN	NSP
		026	3390R-0005A	TRAY	DISC	
		1_	1SZZH-1003A	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		2	1SZZR-0011A	SCREW,	MACHINE	
				SCREW		
		429	1SZZR-0012A	SCREW,	B-TITE	
		430	1SZZH-1003A	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		431	1SZZH-1007B	SCREW,	+ D2.0 6MM SWRCH16A/ZNBK 4MM 1	
		432	1SZZR-0011A	SCREW,	MACHINE	

· Cabinet & Main Frame Section

RUN DATE : 00.10.20
NSP : Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
		A43	3501R-0185A	BOARD ASSY	FRONT (ADVD3640ND 1UH1K)	
		A46	6871R-2090H	PWB(PCB) ASSY,TOTAL	ADVD3340ND 1ML1L MAXICO MAIN T	
		A48	6871R-2993S	PWB(PCB) ASSY,TOTAL	ADVD3640ND 1UH1K IO TOTAL	
PARTS SECTION						
		250	3110R-0184E	CASE	TOP(DVD-3500 BLACK S11-255-20)	
		260	3141R-0028Q	CHASSIS ASSY	MAIN (ADVD3640ND 1UH1)	NSP
		275	4930R-0183A	HOLDER	MAIN PCB	
		279	4930R-0199A	HOLDER	CONNECTOR	
		280	3721R-F185A	PANEL ASSY,FRONT	DVD3640ND 1UH1K (VD-4106) HAIT	
		283	3790R-D115A	WINDOW	DECORATION (DVD3600) GRAY PRIN	
		285	3301R-M009A	PLATE ASSY	SHIELD(DVD3600)INKEL	
		300	6410RAHS02A	POWER CORD	AP-10W NI SP2 CORE 80 STP SANG	
		332	3300R-M018A	PLATE	MAIN GND(DVD-3000 SUS-0.2T)	
SCREW						
		452	353-051A	SCREW	SPECIAL	
		462	353-085A	SCREW,	DECORATION	
		463	353-051B	SCREW	SPECIAL	
		465	353-046K	SCREW	SPECIAL (3X10 B.K)	
		467	353-046N	SCREW,	SPECIAL(3X8 BK.)	

· Packing Accessory Section

RUN DATE : 00.10.20
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	3835RS0015H	INSTRUCTION ASSY	ADVD3640ND 1UH1G/K	
		802	3890R-H300G	BOX	ADVD3640ND 1UH1K SW3-A 1.034 2	
		803	3920R-E003A	PACKING	DVD-3000 0.02 80 EPS 10 943 18	
		804	3858R-S001A	SHEET (MECH)	LDPE 600M 630MM 0.5 VCR_DVD	NSP
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-520G	CABLE ASSY	DVD-2250N	
		811	564-017B	PLUG ASSY	PHONO CORD 1WAY (YL)	
		812	564-018B	PLUG ASSY	PHONO CORD 2WAY (RD/WH)	

· Remote Control Section

RUN DATE : 00.10.20
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	6711R2N010T	REMOTE CONTROLLER ASSY	D1(ADVD3640ED 1UH1)	

· Electrical Section

RUN DATE : 00.10.20

CAUTION: The * marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

Tolerance

Symbol	C	J	K	M	N	Z	P	A
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic
CE: Capacitor, Electrolytic
CQ: Capacitor, Polyester

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
CAPACITOR				
		C103	0CE1076Q600	100UF SMS 200V M W BULK
		C105	0CQ1031Y519	0.01UF D 630V K PE NI TP
		C106	624-087B	HIGH-VOL 100P/1KV SMPS SAMHWA
		C110	0CQ4722K409	0.0047U S 50V J TS TP
		C111	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
		C112	0CQ1532K409	0.015UF S 50V J PE TP
		C114	624-086B	AC-CON 103/400V SMPS NEW-KORE
		C115	0CQ1532K409	0.015UF S 50V J PE TP
		C116	0CE477BH638	470UF KME 25V M FM5 TP5
		C118	0CE1076F638	100M SMS 16V M FM5 TP(5)
		C119	624-085D	CE 47UF/50V KME (SMPS)
		C120	624-086B	AC-CON 103/400V SMPS NEW-KORE
		C121	0CE2276F638	220U SMS 16V M FM5 TP(5)
		C123	0CE108BF638	1000UF KME TYPE 16V M FM5 TP 5
		C124	0CE108BF638	1000UF KME TYPE 16V M FM5 TP 5
		C125	0CE3376D638	330UF SMS 10V M FM5 TP5
		C126	0CE477BH638	470UF KME 25V M FM5 TP5
		C127	0CE4766K638	47M SMS 50V M FM5 TP
		C128	0CQ4732K409	0.047UF S 50V J PE TP
		C129	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C130	0CE1076F638	100M SMS 16V M FM5 TP(5)
		C131	0CE1076F638	100M SMS 16V M FM5 TP(5)
		C134	0CE1076F638	100M SMS 16V M FM5 TP(5)
		C137	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C140	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C201	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C203	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C205	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C206	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C207	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C210	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C221	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C223	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C224	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C226	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C227	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C228	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C229	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C232	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C232	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C232	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C237	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C238	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C239	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C240	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C241	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C242	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C245	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C250	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C255	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C256	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C257	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C258	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C260	0CH4100K112	10P 50V D COG 1.6X0.8 R/TP
		C270	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C271	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C272	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C273	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C274	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C275	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C275	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C275	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C276	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C276	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C276	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C277	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C278	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C279	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C280	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C281	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C284	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C285	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A0	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A1	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A2	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2A3	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A4	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A5	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A6	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A7	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A8	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A9	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2B0	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2B1	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2B2	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
	OR	C2B3	0CH1473H942	0.0470UF 25V Z Y5V(F) 1608 R/T
		C2B3	0CHZS-0001F	GRM39Y5V473Z25C500 PT266 MURAT
		C2B4	0CH4561K512	560PF 50V K NP0 1608 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C2B5	0CH4561K512	560PF 50V K NP0 1608 R/TP
		C2B6	0CH1333K562	0.033UF 50V K X7R(X) 1508 R/TP
		C2B7	0CH1333K562	0.033UF 50V K X7R(X) 1508 R/TP
		C2B8	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2B9	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2C0	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C2C1	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2C2	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2C3	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2C4	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2C5	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2C8	0CH4330K412	33P 50V J COG 1.6X0.8 R/TP
		C2C9	0CH4330K412	33P 50V J COG 1.6X0.8 R/TP
		C2D2	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C2D3	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C2D4	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C2D5	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C2D5	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C2D5	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C2D6	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2D7	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2D9	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2E1	0CH1392K562	3900PF 50V K Z5U(E) 1608 R/TP
		C2M1	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C2M2	0CH1682K562	6800P 50V K X7R 1.6X0.8 R/TP
		C2M3	0CH1472K562	4700PF 50V K X7R(X) 1608 R/TP
		C2M4	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M5	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M6	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M7	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M8	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M9	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2N1	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
	OR	C2N2	0CH1103K562	0.01UF 50V K X7R(X) 1608 R/TP
		C2N2	0CHZS-0001B	GRM39X7R103K50C500 PT266 MURAT
		C2N3	0CH1223K942	0.022UF 50V Z Y5V(F) 1508 R/TP
		C2N4	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C301	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C302	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C303	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C304	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C305	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C306	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C307	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C308	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C309	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C310	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C311	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C312	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C313	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C314	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C315	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C316	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C317	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C318	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C319	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C320	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C321	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C322	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C323	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C324	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C325	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C326	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C327	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C328	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C329	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C330	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C331	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C332	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C333	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C334	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C335	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C336	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C337	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C338	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C339	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C340	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C340	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C340	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C341	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C342	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C343	0CH4220K412	22P 50V J COG 1.6X0.8 R/TP
		C344	0CH4220K412	22P 50V J COG 1.6X0.8 R/TP
		C346	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C371	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C375	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C376	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C378	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C380	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C382	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C383	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C384	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C401	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C402	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C403	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C403	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C404	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C404	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C406	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C407	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C408	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C409	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C410	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
	OR	C411	0CH1102K562	4.6566128752458E-007F 50V K X7
		C411	0CHZS-0001A	GRM39X7R102K50-500 PT266 MURAT
		C412	0CH4101K412	100P 50V J COG 1.6X0.8 R/TP
		C413	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C415	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
	OR	C416	0CH1102K562	4.6566128752458E-007F 50V K X7
		C416	0CHZS-0001A	GRM39X7R102K50-500 PT266 MURAT
		C417	0CH4101K412	100P 50V J COG 1.6X0.8 R/TP
		C418	0CH1392K562	3900PF 50V K Z5U(E) 1608 R/TP
		C419	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C420	0CH1392K562	3900PF 50V K Z5U(E) 1608 R/TP
		C421	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C423	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
	OR	C424	0CH1103K562	0.01UF 50V K X7R(X) 1608 R/TP
		C424	0CHZS-0001B	GRM39X7R103K50C500 PT266 MURAT
		C427	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C428	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C429	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C430	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C501	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C502	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C503	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C504	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C506	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C507	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C508	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C509	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C512	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C513	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C514	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C515	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C516	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C517	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C518	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C519	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C520	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C521	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C522	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C523	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C524	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C525	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C526	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C527	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C529	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C531	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C532	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C534	0CH4560K412	56P 50V J COG 1.6X0.8 R/TP
		C535	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C536	0CH7106F621	10UF 16V M 3528MM TP(-)
		C601	0CE1066F638	10UF SMS 16V M FM5 TP5
		C602	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C603	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C606	0CN1030F678	0.01M 16V M Y TA26
		C608	0CN4730K948	0.047M 50V Z F TA26
	OR	C6908RA	!	PCX2 275V 0.1UF,M (PILKO)
		C6Z1	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C6Z2	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C6Z3	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C901	0CN1040K948	0.1UF 50V Z F TA26 D
		C902	0CE1066F638	10UF SMS 16V M FM5 TP5
		C903	0CX3300K408	33P 50V J SL TA26
		C904	0CX3300K408	33P 50V J SL TA26
	OR	C906	0CE4763J638	47UF SRE,SE 35V M FM5 TP 5
	OR	C906	0CE4764K638	47M SRA 50V M FM5 TP(5)
		C906	0CE4766K638	47M SMS 50V M FM5 TP
		C907	0CE1066F638	10UF SMS 16V M FM5 TP5
		C909	0CN1040K948	0.1UF 50V Z F TA26 D
		C910	0CN1040K948	0.1UF 50V Z F TA26 D
		C912	0CE4766F638	47M SMS 16V M FM5 TP5
		C913	0CE4766F638	47M SMS 16V M FM5 TP5
		C914	0CE4766F638	47M SMS 16V M FM5 TP5
DIODE				
*		71R	0DD160000DA	S1WBA60(1A 600V) SHIDENKEN
		D101	0DD220609AA	ERA22-06 KFLB(0.5A,600V) TP FU
		D103	0DD133009AA	1SS133 DETECT,SW TP
		D104	0DD133009AA	1SS133 DETECT,SW TP
		D105	0DR104009AB	RL104 R. TP GULF SEMICONDUCTOR
	OR	D106	0DR210000BA	RU2YX LF-C1 BK SANKEN TO252 1
		D106	0DR310000AA	RU3YXLF-C1 BK SANKEN D4 100V 2
		D107	0DR180209AA	ERA18-02KFRB TP FUJI DO204AL 2
		D108	0DD010009AC	EU01W(R-FORM) TP SANKEN
		D109	0DR104510AA	B10A45V1 BK KEC TO220 45V 10A

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		D110	0DR180209AA	ERA18-02KFRB TP FUJI DO204AL 2
		D113	0DR154020BA	1N5402 BK GULF SEMICONDUCTOR L
		D114	0DR104009AB	RL104 R. TP GULF SEMICONDUCTOR
		D116	0DR104000AA	RZ1040 BK SANKEN DO41 40V 30A
		D909	0DD133009AA	1SS133 DETECT,SW TP
LEVEL METER				
		DIG901	6302R-V103A	7-BT-273GN FUTABA UNIVERSAL DV
FUSE				
		F101	585-027B	1600MA 250 V 5.2X20 CY/GL KS /
FILTER				
		L101	616-145E	KSE-145E KSE LINE FILTER SQ211
		X901	616-020P	CSA6.00MGU MURATA 6MHZ BK
IC				
		IC104	0ISS431000A	KA431AZ (LM431AZ)
		IC105	0ISS780800H	KA78R08 4P,TO-220F BK LOW DROP
	OR	IC106	0ISH313000B	PQ3RD13 TO220 ST 3.3V REGULAOR
		IC106	0ISS783300A	KA78R33TU TO220-4L BK 3.3V L/D
	OR	IC107	0ISH313000B	PQ3RD13 TO220 ST 3.3V REGULAOR
		IC107	0ISS783300A	KA78R33TU TO220-4L BK 3.3V L/D
		IC201	0IHY258010C	GDC25D801D 208 QFP BK DSP+SERV
		IC203	0IJR341400C	NJM3414AM-TE1,3K/REEL. JRC
		IC205	0IGL440164C	GLT440L16-40J4 40P SOJ
		IC2A1	0ITI333721A	SSI33P3721(VER.2) 64 TQFP BK R
		IC2A2	0IJR341400C	NJM3414AM-TE1,3K/REEL. JRC
		IC2A3	0IAD801100A	AD8011AR-REEL 8SOIC TP OP AMP
	OR	IC2A3	0IAD801400A	AD8014AR-REEL 8P SOIC TP OP AM
		IC2M1	0IFA303200A	KA3032 48QFP BK 5CH MOTOR DRIV
		IC301	0ICU410000A	ZIVA4.1 QFP BK MPEG DECORDER
	OR	IC302	0IEB121616A	M12L16161A-7T
		IC302	0IGS721616C	GM72V161621ET-7 50TSOP TP 16MS
		IC303	0IGS721616C	GM72V161621ET-7 50TSOP TP 16MS
	OR	IC304	0IAI621701A	FS6217-01 20SSOP R/TP PLL DUAL
		IC304	0IBB170000A	PLL1700E 20P SSOP TP PHASE LOC
		IC371	0ISH205000A	PQ20WZ5U 20WZ51 TP REGULATOR V
		IC372	0ISA713500A	LA7135A SOP24 TP S/W
		IC401	0IBB171600A	PCM1716E 28P SSOP TP DAC 2K/R
		IC402	0IJR458000B	NJM4580M 8,DMP8 TP OP AMP 2K/R
		IC404	0ISH205000A	PQ20WZ5U 20WZ51 TP REGULATOR V
		IC501	0IHI641703B	HD6417034AFI20 112QFP BK MICOM
		IC502	0IAL498192B	AT49F8192A-90TC 48TSOP BK
		IC503	0IEB114162A	M11B416256A-35J ELITE 4M(256K)
	OR	IC504	0IAL241610C	AT24C16N-10SC 8P SOIC TP EEPRO
		IC504	0ISS241610B	KS24L161CS 8P SOP TP EEPROM 16
		IC505	0ITI743740K	SN74AHC374PWLE 20,TSSOP TP OCT
		IC506	0IHY602002A	HS602002 44 QFP BK CPLD ASIC D
		IC901	0ISA866112D	LC866112B-5R54 80QFP BK MICOM
		IC902	0IKE704200B	KIA7042P 3P 4.2V RESET(TAPING)
JACK				
		JK601	6612R-L001A	TOTX178 TOSHIBA HORIZONTAL .
		JK602	6612R-C006G	RCA DIN-11G YUQIU D.GND R9P+DI
COIL				
		L102	633-088G	CHOCK(22MH) TP 5MM

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		L103	633-088D	CHOCK ,20UH,LEAD CUT
		L902	0LR1000K035	100M K 6X6 L5 TP
LED				
		LED902	0DL325319AA	SPR325MVWT31 TP ROHM GREEN/RED
CIRCUIT BOARD ASSEMBLY				
		PBJIG	6871R-1959A	DVD-3000'S JIG A'Y
		PBP00	6871R-2281A	ADVD3670ED 3GH1 POWER LED
		PBT00	6871R-2280A	ADVD3670ED 3GH1 KEY ASSY
TRANSFORMER				
		T101	642-021K	KSE-021K/LSE-021K KS/LSE NARRO
TRANSISTOR				
		Q101	0TR130050AB	KSE13005F BK SAMSUNG TO220F ST
	OR	Q101	0TR441900AA	KTC4419 (SMPS) KEC
		Q102	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	OR	Q102	0TR319909AF	KTC3199-BL MINI TP KEC
		Q107	0TR115100AA	KSB1151-Y BK SAMSUNG TO-126
		Q108	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	OR	Q108	0TR319909AF	KTC3199-BL MINI TP KEC
		Q2A1	0TR103709BB	2SA1037K-Q CHIP ROHM-J
	OR	Q2M1	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
		Q2M1	0TR124009AP	DTC124EK TP ROHM KOREA SOT23 3
	OR	Q2M2	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
		Q2M2	0TR124009AP	DTC124EK TP ROHM KOREA SOT23 3
	OR	Q2M3	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
		Q2M3	0TR124009AP	DTC124EK TP ROHM KOREA SOT23 3
		Q301	0TR150409BF	KTA1504S-Y TP (RTK:3K/REEL).KE
		Q302	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q303	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q304	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q305	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q371	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q372	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
	OR	Q372	0TR387509AC	CHIP KTC3875S-GR-T1(ALG) KEC
		Q373	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
	OR	Q373	0TR387509AC	CHIP KTC3875S-GR-T1(ALG) KEC
		Q401	0TR150509AD	KTA1505S-Y -T1 TP KEC SOT23
		Q404	0TR100009BM	UMZ1N TL UM6 3K TP ROHM
		Q607	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	OR	Q607	0TR319909AF	KTC3199-BL MINI TP KEC
		Q608	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	OR	Q608	0TR319909AF	KTC3199-BL MINI TP KEC
		Q615	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
	OR	Q615	0TR126709AC	KTA1267-GR MINI TP KEC
		Q901	0TR105009AB	KRC105M(KRC1205) TP KEC
		Q902	0TR105009AD	KRA 105M KEC
RESISTOR				
		R101	614-007A	2.7/2W CEMENT SMPS V
		R104	0RS3302K619	33K 2W 5% TR
		R109	0RD1502F608	15K 1/6W 5 TA26
		R110	0RS1200J619	120 1W 5% TR
		R111	0RS0101K619	1 OHM 2 W 5% TR
		R112	0RD8201F608	8.2K 1/6W 5 TA26
		R114	0RD1003F608	100K 1/6W 5 TA26
		R115	0RD0471F608	4.7 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R117	0RD1000F608	100 1/6W 5 TA26
		R120	0RD1001F608	1.0K 1/6W 5 TA26
		R121	0RD1201F608	1.2K 1/6W 5 TA26
		R122	0RS1200J619	120 1W 5% TR
		R123	0RD1001F608	1.0K 1/6W 5 TA26
		R124	0RD3300F608	330 1/6W 5 TA26
		R125	0RD3901F608	3.9K 1/6W 5 TA26
		R126	0RD1001F608	1.0K 1/6W 5 TA26
		R127	0RN3601E408	3.6K OHM 1/8 W 1% TA26
		R128	0RN3301F408	3.3K 1/6W 1 TA26
		R130	0RD1002F608	10K 1/6W 5 TA26
		R131	0RD2203F608	220K 1/6W 5 TA26
		R132	0RD2203F608	220K 1/6W 5 TA26
		R140	0RD1002F608	10K 1/6W 5 TA26
		R141	0RD1002F608	10K 1/6W 5 TA26
		R144	0RS1200J619	120 1W 5% TR
		R145	0RD4700F608	470 1/6W 5 TA26
		R201	0RH0000C622	0 1/16W 5 D.R/TP
		R202	0RH0000C622	0 1/16W 5 D.R/TP
		R203	0RH0000C622	0 1/16W 5 D.R/TP
		R204	0RH0000C622	0 1/16W 5 D.R/TP
		R217	0RH0102C622	10 1/16W 5 D.R/TP
		R218	0RH4700C622	470 1/16W 5 D.R/TP
		R219	0RH1002C622	10K 1/16W 5 D.R/TP
		R220	0RH1002C622	10K 1/16W 5 D.R/TP
		R221	0RH1002C622	10K 1/16W 5 D.R/TP
		R230	0RH1000C622	100 1/16W 5 D.R/TP
		R231	0RH1000C622	100 1/16W 5 D.R/TP
		R232	0RH1000C622	100 1/16W 5 D.R/TP
		R233	0RH1000C622	100 1/16W 5 D.R/TP
		R234	0RH1000C622	100 1/16W 5 D.R/TP
		R235	0RH1000C622	100 1/16W 5 D.R/TP
		R236	0RH1000C622	100 1/16W 5 D.R/TP
		R237	0RH1000C622	100 1/16W 5 D.R/TP
		R239	0RH0000C622	0 1/16W 5 D.R/TP
		R240	0RH0000C622	0 1/16W 5 D.R/TP
		R241	0RH0000C622	0 1/16W 5 D.R/TP
		R242	0RH0000C622	0 1/16W 5 D.R/TP
		R244	0RH0000C622	0 1/16W 5 D.R/TP
		R271	0RH0000C622	0 1/16W 5 D.R/TP
		R273	0RH0000C622	0 1/16W 5 D.R/TP
		R274	0RH6200C622	620 OHM 1 / 16 W 1608 5% D R/T
		R275	0RH9100C622	910 OHM 1 / 16 W 1608 5% D R/T
		R276	0RH9100C622	910 OHM 1 / 16 W 1608 5% D R/T
		R277	0RH1500C622	150 1/16W 5 D.R/TP
		R278	0RH0000C622	0 1/16W 5 D.R/TP
		R279	0RH0000C622	0 1/16W 5 D.R/TP
		R280	0RH0000C622	0 1/16W 5 D.R/TP
		R281	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R292	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R293	0RH2001C622	2K OHM 1 / 16 W 1608 5% D R/TP
		R294	0RH1500C622	150 1/16W 5 D.R/TP
		R295	0RH2001C622	2K OHM 1 / 16 W 1608 5% D R/TP
		R296	0RH1500C622	150 1/16W 5 D.R/TP
		R297	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R2A0	0RH1002C622	10K 1/16W 5 D.R/TP
		R2A1	0RH0912C622	91 OHM 1 / 16 W 1608 5% D R/TP
		R2A2	0RH1202C622	12K 1/16W 5 D.R/TP
		R2A5	0RH0000C622	0 1/16W 5 D.R/TP
		R2A6	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2A9	0RH0000C622	0 1/16W 5 D.R/TP
		R2B2	0RH0000C622	0 1/16W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R2B3	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2B4	0RH0182C622	18 1/16W 5 D.R/TP
		R2B5	0RH0182C622	18 1/16W 5 D.R/TP
		R2B6	0RH1002C622	10K 1/16W 5 D.R/TP
		R2B7	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R2B8	0RH1503C622	150K 1/16W 5 D.R/TP
		R2B9	0RH1503C622	150K 1/16W 5 D.R/TP
		R2C0	0RH3902C622	39K 1/16W J D.R/TP
		R2C1	0RH3902C622	39K 1/16W J D.R/TP
		R2C2	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2C3	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2C4	0RH1000C622	100 1/16W 5 D.R/TP
		R2C6	0RH0000C622	0 1/16W 5 D.R/TP
		R2C7	0RH0000C622	0 1/16W 5 D.R/TP
		R2D1	0RH0000C622	0 1/16W 5 D.R/TP
		R2D4	0RH0000C622	0 1/16W 5 D.R/TP
		R2D5	0RH0000C622	0 1/16W 5 D.R/TP
		R2D7	0RH0472C622	47 1/16W 5 D.R/TP
		R2E1	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E2	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E3	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E4	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E5	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E6	0RH0000C622	0 1/16W 5 D.R/TP
		R2E7	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R2M1	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2M2	0RH1002C622	10K 1/16W 5 D.R/TP
		R2M3	0RH1002C622	10K 1/16W 5 D.R/TP
		R2M5	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2M6	0RH1002C622	10K 1/16W 5 D.R/TP
		R2M7	0RH1002C622	10K 1/16W 5 D.R/TP
		R2M8	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2M9	0RH1002C622	10K 1/16W 5 D.R/TP
		R2N0	0RH1202C622	12K 1/16W 5 D.R/TP
		R2N1	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2N2	0RH5601C622	5.6K 1/16W 5 D.R/TP
		R2N3	0RH1002C622	10K 1/16W 5 D.R/TP
		R2N4	0RH1502C622	15K 1/16W 5 D.R/TP
		R2N5	0RH1202C622	12K 1/16W 5 D.R/TP
		R2N6	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2N7	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2N8	0RH1002C622	10K 1/16W 5 D.R/TP
		R2N9	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P1	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P2	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P3	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P4	0RH1802C622	18K 1/16W 5 D.R/TP
		R2P5	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P6	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2P7	0RH2202C622	22K 1/16W 5 D.R/TP
		R2P8	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R2Q1	0RH1002C622	10K 1/16W 5 D.R/TP
		R301	0RH1002C622	10K 1/16W 5 D.R/TP
		R302	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R303	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R306	0RH1002C622	10K 1/16W 5 D.R/TP
		R307	0RH1002C622	10K 1/16W 5 D.R/TP
		R308	0RH1002C622	10K 1/16W 5 D.R/TP
		R309	0RH1002C622	10K 1/16W 5 D.R/TP
		R310	0RH1002C622	10K 1/16W 5 D.R/TP
		R311	0RH1002C622	10K 1/16W 5 D.R/TP
		R312	0RH1002C622	10K 1/16W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R313	0RH1002C622	10K 1/16W 5 D.R/TP
		R314	0RH1002C622	10K 1/16W 5 D.R/TP
		R315	0RH0332C622	33 1/16W 5 D.R/TP
		R316	0RH0332C622	33 1/16W 5 D.R/TP
		R317	0RH0332C622	33 1/16W 5 D.R/TP
		R318	0RH0332C622	33 1/16W 5 D.R/TP
		R319	0RH0332C622	33 1/16W 5 D.R/TP
		R320	0RH0332C622	33 1/16W 5 D.R/TP
		R321	0RH0332C622	33 1/16W 5 D.R/TP
		R322	0RH0332C622	33 1/16W 5 D.R/TP
		R323	0RH0332C622	33 1/16W 5 D.R/TP
		R324	0RH0332C622	33 1/16W 5 D.R/TP
		R325	0RH0332C622	33 1/16W 5 D.R/TP
		R326	0RH0332C622	33 1/16W 5 D.R/TP
		R327	0RH0332C622	33 1/16W 5 D.R/TP
		R328	0RH0332C622	33 1/16W 5 D.R/TP
		R329	0RH0332C622	33 1/16W 5 D.R/TP
		R330	0RH0332C622	33 1/16W 5 D.R/TP
		R331	0RH0332C622	33 1/16W 5 D.R/TP
		R332	0RH0332C622	33 1/16W 5 D.R/TP
		R333	0RH0332C622	33 1/16W 5 D.R/TP
		R334	0RH1000C622	100 1/16W 5 D.R/TP
		R335	0RH1000C622	100 1/16W 5 D.R/TP
		R336	0RH0752C622	75 1/16W 5 D.R/TP
		R337	0RH0752C622	75 1/16W 5 D.R/TP
		R338	0RH0752C622	75 1/16W 5 D.R/TP
		R339	0RH0752C622	75 1/16W 5 D.R/TP
		R340	0RH1181C422	1.18K OHM 1 / 16 W 1608 1% D R
		R341	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R342	0RH1000C622	100 1/16W 5 D.R/TP
		R343	0RH1000C622	100 1/16W 5 D.R/TP
		R344	0RH1000C622	100 1/16W 5 D.R/TP
		R345	0RH1000C622	100 1/16W 5 D.R/TP
		R346	0RH1000C622	100 1/16W 5 D.R/TP
		R347	0RH1000C622	100 1/16W 5 D.R/TP
		R348	0RH1000C622	100 1/16W 5 D.R/TP
		R349	0RH1000C622	100 1/16W 5 D.R/TP
		R350	0RH0000C622	0 1/16W 5 D.R/TP
		R351	0RH0000C622	0 1/16W 5 D.R/TP
		R353	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R354	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R355	0RH1002C622	10K 1/16W 5 D.R/TP
		R356	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R357	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R358	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R371	0RH1002C622	10K 1/16W 5 D.R/TP
		R372	0RH7501C622	7.5K 1/16W 5 D.R/TP
		R373	0RH3901C622	3.9K 1/16W 5 D.R/TP
		R374	0RH0752C622	75 1/16W 5 D.R/TP
		R375	0RH0752C622	75 1/16W 5 D.R/TP
		R376	0RH0752C622	75 1/16W 5 D.R/TP
		R377	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R378	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R379	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R3K1	0RH0000C622	0 1/16W 5 D.R/TP
		R401	0RH0331C622	3.3 1/16W 5 D.R/TP
		R402	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R403	0RH4700C622	470 1/16W 5 D.R/TP
		R404	0RH4700C622	470 1/16W 5 D.R/TP
		R405	0RH4700C622	470 1/16W 5 D.R/TP
		R406	0RH4700C622	470 1/16W 5 D.R/TP
		R407	0RH6801C622	6.8K 1/16W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R408	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R409	0RH8201C622	8.2K 1/16W 5 D.R/TP
		R411	0RH8201C622	8.2K 1/16W 5 D.R/TP
		R412	0RH6801C622	6.8K 1/16W 5 D.R/TP
		R413	0RH1502C622	15K 1/16W 5 D.R/TP
		R414	0RH5601C622	5.6K 1/16W 5 D.R/TP
		R415	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R416	0RH1502C622	15K 1/16W 5 D.R/TP
		R417	0RH6801C622	6.8K 1/16W 5 D.R/TP
		R418	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R419	0RH1000C622	100 1/16W 5 D.R/TP
		R420	0RH1000C622	100 1/16W 5 D.R/TP
		R425	0RH3300C622	330 1/16W 5 D.R/TP
		R426	0RH2200C622	220 1/16W 5 D.R/TP
		R427	0RH3300C622	330 1/16W 5 D.R/TP
		R428	0RH2200C622	220 1/16W 5 D.R/TP
		R429	0RH0562C622	56 1/16W 5 D.R/TP
		R437	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R438	0RH7501C622	7.5K 1/16W 5 D.R/TP
		R439	0RH1002C622	10K 1/16W 5 D.R/TP
		R501	0RH0000C622	0 1/16W 5 D.R/TP
		R503	0RH4702C622	47K 1/16W 5 D.R/TP
		R504	0RH6800C622	680 1/16W 5 D.R/TP
		R506	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R507	0RH0000C622	0 1/16W 5 D.R/TP
		R508	0RH0000C622	0 1/16W 5 D.R/TP
		R510	0RH3300C622	330 1/16W 5 D.R/TP
		R511	0RH3300C622	330 1/16W 5 D.R/TP
		R512	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R513	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R514	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R517	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R518	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R519	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R524	0RH0000C622	0 1/16W 5 D.R/TP
		R525	0RH0000C622	0 1/16W 5 D.R/TP
		R535	0RH1002C622	10K 1/16W 5 D.R/TP
		R536	0RH1002C622	10K 1/16W 5 D.R/TP
		R537	0RH1002C622	10K 1/16W 5 D.R/TP
		R546	0RH1000C622	100 1/16W 5 D.R/TP
		R547	0RH1000C622	100 1/16W 5 D.R/TP
		R548	0RH1000C622	100 1/16W 5 D.R/TP
		R549	0RH1000C622	100 1/16W 5 D.R/TP
		R550	0RH1000C622	100 1/16W 5 D.R/TP
		R551	0RH1000C622	100 1/16W 5 D.R/TP
		R552	0RH1000C622	100 1/16W 5 D.R/TP
		R553	0RH1000C622	100 1/16W 5 D.R/TP
		R554	0RH1000C622	100 1/16W 5 D.R/TP
		R555	0RH1000C622	100 1/16W 5 D.R/TP
		R557	0RH1000C622	100 1/16W 5 D.R/TP
		R558	0RH1000C622	100 1/16W 5 D.R/TP
		R559	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R560	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R562	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R564	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R565	0RH4702C622	47K 1/16W 5 D.R/TP
		R567	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R569	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R570	0RH1002C622	10K 1/16W 5 D.R/TP
		R571	0RH4702C622	47K 1/16W 5 D.R/TP
		R573	0RH0000C622	0 1/16W 5 D.R/TP
		R574	0RH4701C622	4.7K 1/16W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R575	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R576	0RH4702C622	47K 1/16W 5 D.R/TP
		R577	0RH4702C622	47K 1/16W 5 D.R/TP
		R581	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R582	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R583	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R584	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R587	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R588	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R589	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R592	0RH0000D622	0 1/10W 5 D.R/TP
		R593	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R596	0RH0000D622	0 1/10W 5 D.R/TP
		R597	0RH0000C622	0 1/16W 5 D.R/TP
		R598	0RH1002C622	10K 1/16W 5 D.R/TP
		R5A1	0RH0000D622	0 1/10W 5 D.R/TP
		R5A2	0RH0000D622	0 1/10W 5 D.R/TP
		R5A3	0RH0000D622	0 1/10W 5 D.R/TP
		R5A4	0RH0000D622	0 1/10W 5 D.R/TP
		R5A5	0RH0000D622	0 1/10W 5 D.R/TP
		R5A6	0RH0000D622	0 1/10W 5 D.R/TP
		R5A7	0RH0000D622	0 1/10W 5 D.R/TP
		R5A8	0RH0000D622	0 1/10W 5 D.R/TP
		R602	0RD0752F608	75 1/6W 5 TA26
		R603	0RD0752F608	75 1/6W 5 TA26
		R605	0RD1001F608	1.0K 1/6W 5 TA26
		R606	0RD1001F608	1.0K 1/6W 5 TA26
		R607	0RD1001F608	1.0K 1/6W 5 TA26
		R608	0RD1001F608	1.0K 1/6W 5 TA26
		R609	0RD1001F608	1.0K 1/6W 5 TA26
		R618	0RD1003F608	100K 1/6W 5 TA26
		R619	0RD1003F608	100K 1/6W 5 TA26
		R620	0RD2200F608	220 1/6W 5 TA26
		R621	0RD2200F608	220 1/6W 5 TA26
		R622	0RD0222F608	22 1/6W 5 TA26
		R6M1	0RD2200F608	220 1/6W 5 TA26
		R6M2	0RD2200F608	220 1/6W 5 TA26
		R6M3	0RD1003F608	100K 1/6W 5 TA26
		R6M4	0RD1003F608	100K 1/6W 5 TA26
		R901	0RD1002F608	10K 1/6W 5 TA26
		R902	0RD3301F608	3.3K 1/6W 5 TA26
		R903	0RD6800F608	680 1/6W 5 TA26
		R904	0RD1201F608	1.2K 1/6W 5 TA26
		R905	0RD1501F608	1.5K 1/6W 5 TA26
		R906	0RD3301F608	3.3K 1/6W 5 TA26
		R907	0RD4701F608	4.7K 1/6W 5 TA26
		R908	0RD1002F608	10K 1/6W 5 TA26
		R909	0RD1002F608	10K 1/6W 5 TA26
		R910	0RD4702F608	47K 1/6W 5 TA26
		R912	0RD8200F608	820 1/6W 5 TA26
		R913	0RD3300F608	330 1/6W 5 TA26
		R914	0RD2200F608	220 1/6W 5 TA26
		R915	0RD1002F608	10K 1/6W 5 TA26
		R916	0RD1002F608	10K 1/6W 5 TA26
		R917	0RD1002F608	10K 1/6W 5 TA26
		R918	0RD1002F608	10K 1/6W 5 TA26
		R919	0RD1002F608	10K 1/6W 5 TA26
		R920	0RD8201F608	8.2K 1/6W 5 TA26
		R921	0RD4702F608	47K 1/6W 5 TA26
		R922	0RD1002F608	10K 1/6W 5 TA26
		R923	0RD8201F608	8.2K 1/6W 5 TA26
		R924	0RD8201F608	8.2K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R925	0RD8201F608	8.2K 1/6W 5 TA26
		R926	0RD1802F608	18K 1/6W 5 TA26
		R927	0RD3902F608	39K 1/6W 5 TA26
		R928	0RD2200F608	220 1/6W 5 TA26
		R931	0RD1002F608	10K 1/6W 5 TA26
		R940	0RD2201F608	2.2K 1/6W 5 TA26
		R941	0RD2201F608	2.2K 1/6W 5 TA26
		R945	0RD1002F608	10K 1/6W 5 TA26
		R947	0RD1002F608	10K 1/6W 5 TA26
REMOCON RECEIVER				
		RC901	6712R1938GA	TSOP2838WE1 TEMIC 19MM 37.9KHZ
SENSOR				
		IC108	657-063A	LTV-817B,PHOTO COUPLER(LITEON)
SWITCH				
		JS901	6600REB001C	SRGPVJX003 J/ALPS NON DC5V 10M
		SW901	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW902	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW903	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW904	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW905	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW906	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW907	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW908	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW909	6600RRB003A	SKQUAA J-ALPS NON 12V 50MA VER
		SW910	556-219B	THVV502GAA POSTECH NON 12V 5A
VARISTOR				
		V101	656-004C	SVC681D-10A SAMHWA 4.O CUT
RESONATOR				
		X301	6202R-BL01A	HC-49/SM5H KONY CHIP 27MHZ 20P
		X501	6212S-AMLCB	CSTCV20.00MXJ040-TC20 MURATA 2
ZENER DIODE				
	OR	ZD101	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD101	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD101	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG
		ZD102	0DZ620009BC	MTZJ6.2B TP ROHM-K DO34 0.5W 5
		ZD605	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
		ZD606	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD635	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD635	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD635	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG
	OR	ZD636	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD636	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD636	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG
	OR	ZD637	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD637	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD637	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG
	OR	ZD638	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD638	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD638	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG

SECTION 5 REPLACEMENT PARTS LIST

· Mechanical Section

RUN DATE : 00.10.24
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
				ASSEMBLY PARTS SECTION		
		A00	6721R-0304A	DECK ASSY,VIDEO	DVD PLAYER(DP2)	
		A01	4861R-0006A	CLAMP ASSY	DISC(DP2)	
		A02	3041R-0010A	BASE ASSY	MAIN(DP2 PLAYER)	
		A03	3041R-0011A	BASE ASSY	SLED(DP2)	
				PARTS SECTION		
		001	3300R-0547A	PLATE	CLAMP	NSP
		002	5016H-1016B	MAGNET	CLAMP(LDM-R608,10*5,1*1.5T)	NSP
		003	4860R-0006A	CLAMP	UPPER	NSP
		004	4930R-0171A	HOLDER	CLAMP	
		008	4470R-0047A	GEAR	ASSY RACK	
		009	4470R-0053A	GEAR	MIDDLE	
		011	3211R-0021A	FRAME ASSY	UP/DOWN(DP2)	
		013	4400R-0006A	BELT	LOADING	
		014	4470R-0055A	GEAR	PULLEY	
		015	6871R-2014A	PWB(PCB) ASSY,TOTAL	LOADING (DP2)	
		016	4470R-0050A	GEAR	ASSY FEED	
	OR	016	5040R-0047B	RUBBER	DAMPER(E2,5040H-1054A),CHUNPOO	
		017	4470R-0056A	GEAR	LOADING	
		018	4974R-0023A	GUIDE	UP/DOWN	
		020	3040R-0024A	BASE	MAIN	NSP
		026	3390R-0005A	TRAY	DISC	
		1_	1SZZH-1003A	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		2	1SZZR-0011A	SCREW,	MACHINE	
				SCREW		
		429	1SZZR-0012A	SCREW,	B-TITE	
		430	1SZZH-1003A	SCREW,	+ D2.0 6MM SWRCH16A/NIY 4.5MM	
		431	1SZZH-1007B	SCREW,	+ D2.0 6MM SWRCH16A/ZNBK 4MM 1	
		432	1SZZR-0011A	SCREW,	MACHINE	

· Cabinet & Main Frame Section

RUN DATE : 00.10.20
NSP : Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
				ASSEMBLY PARTS SECTION		
		A43	3501R-0185B	BOARD ASSY	FRONT (ADVD3640ND 1UH1G)	
		A46	6871R-2090H	PWB(PCB) ASSY,TOTAL	ADVD3340ND 1ML1L MAXICO MAIN T	
		A48	6871R-2993S	PWB(PCB) ASSY,TOTAL	ADVD3640ND 1UH1K IO TOTAL	
				PARTS SECTION		
		250	3110R-0184F	CASE	TOP(DVD-3500 GOLD S33-940-E37)	
		260	3141R-0028Q	CHASSIS ASSY	MAIN (ADVD3640ND 1UH1)	NSP
		275	4930R-0183A	HOLDER	MAIN PCB	
		279	4930R-0199A	HOLDER	CONNECTOR	
		280	3721R-F185B	PANEL ASSY,FRONT	DVD3640ND 1UH1G (VD-4106G) HAI	
		283	3581R-T008B	DOOR ASSY	TRAY (DVD-3600) GOLD	
		285	3301R-M009A	PLATE ASSY	SHIELD(DVD3600)INKEL	
		300	6410RAHS02A	POWER CORD	AP-10W NI SP2 CORE 80 STP SANG	
		332	3300R-M018A	PLATE	MAIN GND(DVD-3000 SUS-0.2T)	
				SCREW		
		452	353-051A	SCREW	SPECIAL	
		462	353-085A	SCREW,	DECORATION	
		463	353-051B	SCREW	SPECIAL	
		465	353-046K	SCREW	SPECIAL (3X10 B.K)	
		467	353-046N	SCREW,	SPECIAL(3X8 BK.)	

· Packing Accessory Section

RUN DATE : 00.10.24
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	3835RS0015H	INSTRUCTION ASSY	ADVD3640ND 1UH1G/K	
		802	3890R-H300J	BOX	ADVD3641ND 1UH1G SW3-A 1.034 2	
		803	3920R-E003A	PACKING	DVD-3000 0.02 80 EPS 10 943 18	
		804	3858R-S001A	SHEET (MECH)	LDPE 600M 630MM 0.5 VCR_DVD	NSP
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-520G	CABLE ASSY	DVD-2250N	
		811	564-017B	PLUG ASSY	PHONO CORD 1WAY (YL)	
		812	564-018B	PLUG ASSY	PHONO CORD 2WAY (RD/WH)	

· Remote Control Section

RUN DATE : 00.10.24
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	6711R2N010T	REMOTE CONTROLLER ASSY	D1(ADVD3640ED 1UH1)	

· Electrical Section

RUN DATE : 00.10.24

CAUTION: The * marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

Tolerance

Symbol	C	J	K	M	N	Z	P	A
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic
CE: Capacitor, Electrolytic
CQ: Capacitor, Polyester

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		CAPACITOR		
		C103	0CE1076Q600	100UF SMS 200V M W BULK
		C105	0CQ1031Y519	0.01UF D 630V K PE NI TP
		C106	624-087B	HIGH-VOL 100P/1KV SMPS SAMHWA
		C110	0CQ4722K409	0.0047U S 50V J TS TP
		C111	0CE3354K638	3.3M SRA 50V M FM5 TP(5)
		C112	0CQ1532K409	0.015UF S 50V J PE TP
		C114	624-086B	AC-CON 103/400V SMPS NEW-KORE
		C115	0CQ1532K409	0.015UF S 50V J PE TP
		C116	0CE477BH638	470UF KME 25V M FM5 TP5
		C118	0CE1076F638	100M SMS 16V M FM5 TP(5)
		C119	624-085D	CE 47UF/50V KME (SMPS)
		C120	624-086B	AC-CON 103/400V SMPS NEW-KORE
		C121	0CE2276F638	220U SMS 16V M FM5 TP(5)
		C123	0CE108BF638	1000UF KME TYPE 16V M FM5 TP 5
		C124	0CE108BF638	1000UF KME TYPE 16V M FM5 TP 5
		C125	0CE3376D638	330UF SMS 10V M FM5 TP5
		C126	0CE477BH638	470UF KME 25V M FM5 TP5
		C127	0CE4766K638	47M SMS 50V M FM5 TP
		C128	0CQ4732K409	0.047UF S 50V J PE TP
		C129	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C130	0CE1076F638	100M SMS 16V M FM5 TP(5)
		C131	0CE1076F638	100M SMS 16V M FM5 TP(5)
		C134	0CE1076F638	100M SMS 16V M FM5 TP(5)
		C137	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C140	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C201	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C203	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C205	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C206	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C207	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C210	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C221	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C223	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C224	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C226	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C227	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C228	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C229	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C232	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C232	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C232	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C237	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C238	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C239	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C240	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C241	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C242	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C245	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C250	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C255	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C256	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C257	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C258	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C260	0CH4100K112	10P 50V D COG 1.6X0.8 R/TP
		C270	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C271	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C272	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C273	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C274	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C275	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C275	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C275	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C276	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C276	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C276	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C277	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C278	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C279	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C280	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C281	0CH7106C611	10UF 6.3V M 3216 TP(-)
		C284	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C285	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A0	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A1	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A2	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2A3	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A4	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A5	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A6	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A7	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A8	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2A9	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2B0	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2B1	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2B2	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
	OR	C2B3	0CH1473H942	0.0470UF 25V Z Y5V(F) 1608 R/T
		C2B3	0CHZS-0001F	GRM39Y5V473Z25C500 PT266 MURAT
		C2B4	0CH4561K512	560PF 50V K NP0 1608 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C2B5	0CH4561K512	560PF 50V K NP0 1608 R/TP
		C2B6	0CH1333K562	0.033UF 50V K X7R(X) 1508 R/TP
		C2B7	0CH1333K562	0.033UF 50V K X7R(X) 1508 R/TP
		C2B8	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2B9	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2C0	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C2C1	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2C2	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2C3	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2C4	0CH1222K562	2200PF 50V K X7R(X) 1608 R/TP
		C2C5	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2C8	0CH4330K412	33P 50V J COG 1.6X0.8 R/TP
		C2C9	0CH4330K412	33P 50V J COG 1.6X0.8 R/TP
		C2D2	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C2D3	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C2D4	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C2D5	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C2D5	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C2D5	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C2D6	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2D7	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2D9	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2E1	0CH1392K562	3900PF 50V K Z5U(E) 1608 R/TP
		C2M1	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C2M2	0CH1682K562	6800P 50V K X7R 1.6X0.8 R/TP
		C2M3	0CH1472K562	4700PF 50V K X7R(X) 1608 R/TP
		C2M4	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M5	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M6	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M7	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M8	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2M9	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C2N1	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
	OR	C2N2	0CH1103K562	0.01UF 50V K X7R(X) 1608 R/TP
		C2N2	0CHZS-0001B	GRM39X7R103K50C500 PT266 MURAT
		C2N3	0CH1223K942	0.022UF 50V Z Y5V(F) 1508 R/TP
		C2N4	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C301	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C302	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C303	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C304	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C305	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C306	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C307	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C308	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C309	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C310	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C311	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C312	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C313	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C314	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C315	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C316	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C317	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C318	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C319	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C320	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C321	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C322	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C323	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C324	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C325	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C326	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C327	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C328	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C329	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C330	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C331	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C332	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C333	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C334	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C335	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C336	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C337	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C338	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C339	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C340	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C340	0CH7106D611	10UF 10V M 3216 TP(-)
	OR	C340	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C341	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C342	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C343	0CH4220K412	22P 50V J COG 1.6X0.8 R/TP
		C344	0CH4220K412	22P 50V J COG 1.6X0.8 R/TP
		C346	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C371	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C375	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C376	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C378	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C380	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C382	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C383	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C384	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C401	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C402	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C403	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C403	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C404	0CH7106C611	10UF 6.3V M 3216 TP(-)
	OR	C404	0CHZR-0002A	3528 10V 10UF TANTAL DW 0CH710
		C406	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C407	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C408	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C409	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C410	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
	OR	C411	0CH1102K562	4.6566128752458E-007F 50V K X7
		C411	0CHZS-0001A	GRM39X7R102K50-500 PT266 MURAT
		C412	0CH4101K412	100P 50V J COG 1.6X0.8 R/TP
		C413	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C415	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
	OR	C416	0CH1102K562	4.6566128752458E-007F 50V K X7
		C416	0CHZS-0001A	GRM39X7R102K50-500 PT266 MURAT
		C417	0CH4101K412	100P 50V J COG 1.6X0.8 R/TP
		C418	0CH1392K562	3900PF 50V K Z5U(E) 1608 R/TP
		C419	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C420	0CH1392K562	3900PF 50V K Z5U(E) 1608 R/TP
		C421	0CH8476C611	47UF 6.3V M 85STD(CYL) R/TP
		C423	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
	OR	C424	0CH1103K562	0.01UF 50V K X7R(X) 1608 R/TP
		C424	0CHZS-0001B	GRM39X7R103K50C500 PT266 MURAT
		C427	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C428	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C429	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C430	0CH8107F611	100UF 16V M 85STD(CYL) R/TP
		C501	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C502	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C503	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C504	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C506	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C507	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C508	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C509	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C512	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C513	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C514	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C515	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C516	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C517	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C518	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C519	0CH1225F944	2.2000UF 16V Z Y5V(F) 3216 R/T
		C520	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C521	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C522	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C523	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C524	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C525	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C526	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C527	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C529	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C531	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C532	0CH4221K412	220P 50V J COG 1.6X0.8 R/TP
		C534	0CH4560K412	56P 50V J COG 1.6X0.8 R/TP
		C535	0CH1104K942	0.1UF 50V Z Y5V(F) 1508 R/TP
		C536	0CH7106F621	10UF 16V M 3528MM TP(-)
		C601	0CE1066F638	10UF SMS 16V M FM5 TP5
		C602	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C603	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C606	0CN1030F678	0.01M 16V M Y TA26
		C608	0CN4730K948	0.047M 50V Z F TA26
	OR	C6908RA	!	PCX2 275V 0.1UF,M (PILKO)
		C6Z1	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C6Z2	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C6Z3	0CE477CD638	470UF SHL,SD 10V M FM5 TP 5
		C901	0CN1040K948	0.1UF 50V Z F TA26 D
		C902	0CE1066F638	10UF SMS 16V M FM5 TP5
		C903	0CX3300K408	33P 50V J SL TA26
		C904	0CX3300K408	33P 50V J SL TA26
	OR	C906	0CE4763J638	47UF SRE,SE 35V M FM5 TP 5
	OR	C906	0CE4764K638	47M SRA 50V M FM5 TP(5)
		C906	0CE4766K638	47M SMS 50V M FM5 TP
		C907	0CE1066F638	10UF SMS 16V M FM5 TP5
		C909	0CN1040K948	0.1UF 50V Z F TA26 D
		C910	0CN1040K948	0.1UF 50V Z F TA26 D
		C912	0CE4766F638	47M SMS 16V M FM5 TP5
		C913	0CE4766F638	47M SMS 16V M FM5 TP5
		C914	0CE4766F638	47M SMS 16V M FM5 TP5
DIODE				
*		71R	0DD160000DA	S1WBA60(1A 600V) SHIDENKEN
		D101	0DD220609AA	ERA22-06 KFLB(0.5A,600V) TP FU
		D103	0DD133009AA	1SS133 DETECT,SW TP
		D104	0DD133009AA	1SS133 DETECT,SW TP
		D105	0DR104009AB	RL104 R. TP GULF SEMICONDUCTOR
	OR	D106	0DR210000BA	RU2YX LF-C1 BK SANKEN TO252 1
		D106	0DR310000AA	RU3YXLF-C1 BK SANKEN D4 100V 2
		D107	0DR180209AA	ERA18-02KFRB TP FUJI DO204AL 2
		D108	0DD010009AC	EU01W(R-FORM) TP SANKEN
		D109	0DR104510AA	B10A45V1 BK KEC TO220 45V 10A

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		D110	0DR180209AA	ERA18-02KFRB TP FUJI DO204AL 2
		D113	0DR154020BA	1N5402 BK GULF SEMICONDUCTOR L
		D114	0DR104009AB	RL104 R. TP GULF SEMICONDUCTOR
		D116	0DR104000AA	RZ1040 BK SANKEN DO41 40V 30A
		D909	0DD133009AA	1SS133 DETECT,SW TP
LEVEL METER				
		DIG901	6302R-V103A	7-BT-273GN FUTABA UNIVERSAL DV
FUSE				
		F101	585-027B	1600MA 250 V 5.2X20 CY/GL KS /
FILTER				
		L101	616-145E	KSE-145E KSE LINE FILTER SQ211
		X901	616-020P	CSA6.00MGU MURATA 6MHZ BK
IC				
		IC104	0ISS431000A	KA431AZ (LM431AZ)
		IC105	0ISS780800H	KA78R08 4P,TO-220F BK LOW DROP
	OR	IC106	0ISH313000B	PQ3RD13 TO220 ST 3.3V REGULAOR
		IC106	0ISS783300A	KA78R33TU TO220-4L BK 3.3V L/D
	OR	IC107	0ISH313000B	PQ3RD13 TO220 ST 3.3V REGULAOR
		IC107	0ISS783300A	KA78R33TU TO220-4L BK 3.3V L/D
		IC201	0IHY258010C	GDC25D801D 208 QFP BK DSP+SERV
		IC203	0IJR341400C	NJM3414AM-TE1,3K/REEL. JRC
		IC205	0IGL440164C	GLT440L16-40J4 40P SOJ TP
		IC2A1	0ITI333721A	SSI33P3721(VER.2) 64 TQFP BK R
		IC2A2	0IJR341400C	NJM3414AM-TE1,3K/REEL. JRC
		IC2A3	0IAD801100A	AD8011AR-REEL 8SOIC TP OP AMP
	OR	IC2A3	0IAD801400A	AD8014AR-REEL 8P SOIC TP OP AM
		IC2M1	0IFA303200A	KA3032 48QFP BK 5CH MOTOR DRIV
		IC301	0ICU410000A	ZIVA4.1 QFP BK MPEG DECORDER
	OR	IC302	0IEB121616A	M12L16161A-7T 50P
		IC302	0IGS721616C	GM72V161621ET-7 50TSOP TP 16MS
		IC303	0IGS721616C	GM72V161621ET-7 50TSOP TP 16MS
	OR	IC304	0IAI621701A	FS6217-01 20SSOP R/TP PLL DUAL
		IC304	0IBB170000A	PLL1700E 20P SSOP TP PHASE LOC
		IC371	0ISH205000A	PQ20WZ5U 20WZ51 TP REGULATOR V
		IC372	0ISA713500A	LA7135A SOP24 TP S/W
		IC401	0IBB171600A	PCM1716E 28P SSOP TP DAC 2K/R
		IC402	0IJR458000B	NJM4580M 8,DMP8 TP OP AMP 2K/R
		IC404	0ISH205000A	PQ20WZ5U 20WZ51 TP REGULATOR V
		IC501	0IHI641703B	HD6417034AFI20 112QFP BK MICOM
		IC502	0IAL498192B	AT49F8192A-90TC 48TSOP BK
		IC503	0IEB114162A	M11B416256A-35J ELITE 4M(256K)
	OR	IC504	0IAL241610C	AT24C16N-10SC 8P SOIC TP EEPRO
		IC504	0ISS241610B	KS24L161CS 8P SOP TP EEPROM 16
		IC505	0ITI743740K	SN74AHC374PWLE 20,TSSOP TP OCT
		IC506	0IHY602002A	HS602002 44 QFP BK CPLD ASIC D
		IC901	0ISA866112D	LC866112B-5R54 80QFP BK MICOM
		IC902	0IKE704200B	KIA7042P 3P 4.2V RESET(TAPING)
JACK				
		JK601	6612R-L001A	TOTX178 TOSHIBA HORIZONTAL .
		JK602	6612R-C006G	RCA DIN-11G YUQIU D.GND R9P+DI
COIL				
		L102	633-088G	CHOCK(22MH) TP 5MM

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		L103	633-088D	CHOCK ,20UH,LEAD CUT
		L902	0LR1000K035	100M K 6X6 L5 TP
LED				
		LED902	0DL325319AA	SPR325MVWT31 TP ROHM GREEN/RED
CIRCUIT BOARD ASSEMBLY				
		PBJIG	6871R-1959A	DVD-3000'S JIG A'Y
		PBP00	6871R-2281A	ADVD3670ED 3GH1 POWER LED
		PBT00	6871R-2280A	ADVD3670ED 3GH1 KEY ASSY
TRANSFORMER				
		T101	642-021K	KSE-021K/LSE-021K KS/LSE NARRO
TRANSISTOR				
		Q101	0TR130050AB	KSE13005F BK SAMSUNG TO220F ST
	OR	Q101	0TR441900AA	KTC4419 (SMPS) KEC
		Q102	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	OR	Q102	0TR319909AF	KTC3199-BL MINI TP KEC
		Q107	0TR115100AA	KSB1151-Y BK SAMSUNG TO-126
		Q108	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	OR	Q108	0TR319909AF	KTC3199-BL MINI TP KEC
		Q2A1	0TR103709BB	2SA1037K-Q CHIP ROHM-J
	OR	Q2M1	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
		Q2M1	0TR124009AP	DTC124EK TP ROHM KOREA SOT23 3
	OR	Q2M2	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
		Q2M2	0TR124009AP	DTC124EK TP ROHM KOREA SOT23 3
	OR	Q2M3	0TR103009AA	CHIP KRC103S-T1(NC)22-22 KEC
		Q2M3	0TR124009AP	DTC124EK TP ROHM KOREA SOT23 3
		Q301	0TR150409BF	KTA1504S-Y TP (RTK:3K/REEL).KE
		Q302	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q303	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q304	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q305	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q371	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
		Q372	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
	OR	Q372	0TR387509AC	CHIP KTC3875S-GR-T1(ALG) KEC
		Q373	0TR241209AA	2SC2412KR(BR)-T96 CHIP ROHM
	OR	Q373	0TR387509AC	CHIP KTC3875S-GR-T1(ALG) KEC
		Q401	0TR150509AD	KTA1505S-Y -T1 TP KEC SOT23
		Q404	0TR100009BM	UMZ1N TL UM6 3K TP ROHM
		Q607	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	OR	Q607	0TR319909AF	KTC3199-BL MINI TP KEC
		Q608	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
	OR	Q608	0TR319909AF	KTC3199-BL MINI TP KEC
		Q615	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
	OR	Q615	0TR126709AC	KTA1267-GR MINI TP KEC
		Q901	0TR105009AB	KRC105M(KRC1205) TP KEC
		Q902	0TR105009AD	KRA 105M KEC
RESISTOR				
		R101	614-007A	2.7/2W CEMENT SMPS V
		R104	0RS3302K619	33K 2W 5% TR
		R109	0RD1502F608	15K 1/6W 5 TA26
		R110	0RS1200J619	120 1W 5% TR
		R111	0RS0101K619	1 OHM 2 W 5% TR
		R112	0RD8201F608	8.2K 1/6W 5 TA26
		R114	0RD1003F608	100K 1/6W 5 TA26
		R115	0RD0471F608	4.7 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R117	0RD1000F608	100 1/6W 5 TA26
		R120	0RD1001F608	1.0K 1/6W 5 TA26
		R121	0RD1201F608	1.2K 1/6W 5 TA26
		R122	0RS1200J619	120 1W 5% TR
		R123	0RD1001F608	1.0K 1/6W 5 TA26
		R124	0RD3300F608	330 1/6W 5 TA26
		R125	0RD3901F608	3.9K 1/6W 5 TA26
		R126	0RD1001F608	1.0K 1/6W 5 TA26
		R127	0RN3601E408	3.6K OHM 1/8 W 1% TA26
		R128	0RN3301F408	3.3K 1/6W 1 TA26
		R130	0RD1002F608	10K 1/6W 5 TA26
		R131	0RD2203F608	220K 1/6W 5 TA26
		R132	0RD2203F608	220K 1/6W 5 TA26
		R140	0RD1002F608	10K 1/6W 5 TA26
		R141	0RD1002F608	10K 1/6W 5 TA26
		R144	0RS1200J619	120 1W 5% TR
		R145	0RD4700F608	470 1/6W 5 TA26
		R201	0RH0000C622	0 1/16W 5 D.R/TP
		R202	0RH0000C622	0 1/16W 5 D.R/TP
		R203	0RH0000C622	0 1/16W 5 D.R/TP
		R204	0RH0000C622	0 1/16W 5 D.R/TP
		R217	0RH0102C622	10 1/16W 5 D.R/TP
		R218	0RH4700C622	470 1/16W 5 D.R/TP
		R219	0RH1002C622	10K 1/16W 5 D.R/TP
		R220	0RH1002C622	10K 1/16W 5 D.R/TP
		R221	0RH1002C622	10K 1/16W 5 D.R/TP
		R230	0RH1000C622	100 1/16W 5 D.R/TP
		R231	0RH1000C622	100 1/16W 5 D.R/TP
		R232	0RH1000C622	100 1/16W 5 D.R/TP
		R233	0RH1000C622	100 1/16W 5 D.R/TP
		R234	0RH1000C622	100 1/16W 5 D.R/TP
		R235	0RH1000C622	100 1/16W 5 D.R/TP
		R236	0RH1000C622	100 1/16W 5 D.R/TP
		R237	0RH1000C622	100 1/16W 5 D.R/TP
		R239	0RH0000C622	0 1/16W 5 D.R/TP
		R240	0RH0000C622	0 1/16W 5 D.R/TP
		R241	0RH0000C622	0 1/16W 5 D.R/TP
		R242	0RH0000C622	0 1/16W 5 D.R/TP
		R244	0RH0000C622	0 1/16W 5 D.R/TP
		R271	0RH0000C622	0 1/16W 5 D.R/TP
		R273	0RH0000C622	0 1/16W 5 D.R/TP
		R274	0RH6200C622	620 OHM 1 / 16 W 1608 5% D R/T
		R275	0RH9100C622	910 OHM 1 / 16 W 1608 5% D R/T
		R276	0RH9100C622	910 OHM 1 / 16 W 1608 5% D R/T
		R277	0RH1500C622	150 1/16W 5 D.R/TP
		R278	0RH0000C622	0 1/16W 5 D.R/TP
		R279	0RH0000C622	0 1/16W 5 D.R/TP
		R280	0RH0000C622	0 1/16W 5 D.R/TP
		R281	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R292	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R293	0RH2001C622	2K OHM 1 / 16 W 1608 5% D R/TP
		R294	0RH1500C622	150 1/16W 5 D.R/TP
		R295	0RH2001C622	2K OHM 1 / 16 W 1608 5% D R/TP
		R296	0RH1500C622	150 1/16W 5 D.R/TP
		R297	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R2A0	0RH1002C622	10K 1/16W 5 D.R/TP
		R2A1	0RH0912C622	91 OHM 1 / 16 W 1608 5% D R/TP
		R2A2	0RH1202C622	12K 1/16W 5 D.R/TP
		R2A5	0RH0000C622	0 1/16W 5 D.R/TP
		R2A6	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2A9	0RH0000C622	0 1/16W 5 D.R/TP
		R2B2	0RH0000C622	0 1/16W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R2B3	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2B4	0RH0182C622	18 1/16W 5 D.R/TP
		R2B5	0RH0182C622	18 1/16W 5 D.R/TP
		R2B6	0RH1002C622	10K 1/16W 5 D.R/TP
		R2B7	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R2B8	0RH1503C622	150K 1/16W 5 D.R/TP
		R2B9	0RH1503C622	150K 1/16W 5 D.R/TP
		R2C0	0RH3902C622	39K 1/16W J D.R/TP
		R2C1	0RH3902C622	39K 1/16W J D.R/TP
		R2C2	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2C3	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2C4	0RH1000C622	100 1/16W 5 D.R/TP
		R2C6	0RH0000C622	0 1/16W 5 D.R/TP
		R2C7	0RH0000C622	0 1/16W 5 D.R/TP
		R2D1	0RH0000C622	0 1/16W 5 D.R/TP
		R2D4	0RH0000C622	0 1/16W 5 D.R/TP
		R2D5	0RH0000C622	0 1/16W 5 D.R/TP
		R2D7	0RH0472C622	47 1/16W 5 D.R/TP
		R2E1	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E2	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E3	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E4	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E5	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2E6	0RH0000C622	0 1/16W 5 D.R/TP
		R2E7	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R2M1	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2M2	0RH1002C622	10K 1/16W 5 D.R/TP
		R2M3	0RH1002C622	10K 1/16W 5 D.R/TP
		R2M5	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2M6	0RH1002C622	10K 1/16W 5 D.R/TP
		R2M7	0RH1002C622	10K 1/16W 5 D.R/TP
		R2M8	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2M9	0RH1002C622	10K 1/16W 5 D.R/TP
		R2N0	0RH1202C622	12K 1/16W 5 D.R/TP
		R2N1	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2N2	0RH5601C622	5.6K 1/16W 5 D.R/TP
		R2N3	0RH1002C622	10K 1/16W 5 D.R/TP
		R2N4	0RH1502C622	15K 1/16W 5 D.R/TP
		R2N5	0RH1202C622	12K 1/16W 5 D.R/TP
		R2N6	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2N7	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2N8	0RH1002C622	10K 1/16W 5 D.R/TP
		R2N9	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P1	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P2	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P3	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P4	0RH1802C622	18K 1/16W 5 D.R/TP
		R2P5	0RH1002C622	10K 1/16W 5 D.R/TP
		R2P6	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R2P7	0RH2202C622	22K 1/16W 5 D.R/TP
		R2P8	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R2Q1	0RH1002C622	10K 1/16W 5 D.R/TP
		R301	0RH1002C622	10K 1/16W 5 D.R/TP
		R302	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R303	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R306	0RH1002C622	10K 1/16W 5 D.R/TP
		R307	0RH1002C622	10K 1/16W 5 D.R/TP
		R308	0RH1002C622	10K 1/16W 5 D.R/TP
		R309	0RH1002C622	10K 1/16W 5 D.R/TP
		R310	0RH1002C622	10K 1/16W 5 D.R/TP
		R311	0RH1002C622	10K 1/16W 5 D.R/TP
		R312	0RH1002C622	10K 1/16W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R313	0RH1002C622	10K 1/16W 5 D.R/TP
		R314	0RH1002C622	10K 1/16W 5 D.R/TP
		R315	0RH0332C622	33 1/16W 5 D.R/TP
		R316	0RH0332C622	33 1/16W 5 D.R/TP
		R317	0RH0332C622	33 1/16W 5 D.R/TP
		R318	0RH0332C622	33 1/16W 5 D.R/TP
		R319	0RH0332C622	33 1/16W 5 D.R/TP
		R320	0RH0332C622	33 1/16W 5 D.R/TP
		R321	0RH0332C622	33 1/16W 5 D.R/TP
		R322	0RH0332C622	33 1/16W 5 D.R/TP
		R323	0RH0332C622	33 1/16W 5 D.R/TP
		R324	0RH0332C622	33 1/16W 5 D.R/TP
		R325	0RH0332C622	33 1/16W 5 D.R/TP
		R326	0RH0332C622	33 1/16W 5 D.R/TP
		R327	0RH0332C622	33 1/16W 5 D.R/TP
		R328	0RH0332C622	33 1/16W 5 D.R/TP
		R329	0RH0332C622	33 1/16W 5 D.R/TP
		R330	0RH0332C622	33 1/16W 5 D.R/TP
		R331	0RH0332C622	33 1/16W 5 D.R/TP
		R332	0RH0332C622	33 1/16W 5 D.R/TP
		R333	0RH0332C622	33 1/16W 5 D.R/TP
		R334	0RH1000C622	100 1/16W 5 D.R/TP
		R335	0RH1000C622	100 1/16W 5 D.R/TP
		R336	0RH0752C622	75 1/16W 5 D.R/TP
		R337	0RH0752C622	75 1/16W 5 D.R/TP
		R338	0RH0752C622	75 1/16W 5 D.R/TP
		R339	0RH0752C622	75 1/16W 5 D.R/TP
		R340	0RH1181C422	1.18K OHM 1 / 16 W 1608 1% D R
		R341	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R342	0RH1000C622	100 1/16W 5 D.R/TP
		R343	0RH1000C622	100 1/16W 5 D.R/TP
		R344	0RH1000C622	100 1/16W 5 D.R/TP
		R345	0RH1000C622	100 1/16W 5 D.R/TP
		R346	0RH1000C622	100 1/16W 5 D.R/TP
		R347	0RH1000C622	100 1/16W 5 D.R/TP
		R348	0RH1000C622	100 1/16W 5 D.R/TP
		R349	0RH1000C622	100 1/16W 5 D.R/TP
		R350	0RH0000C622	0 1/16W 5 D.R/TP
		R351	0RH0000C622	0 1/16W 5 D.R/TP
		R353	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R354	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R355	0RH1002C622	10K 1/16W 5 D.R/TP
		R356	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R357	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R358	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R371	0RH1002C622	10K 1/16W 5 D.R/TP
		R372	0RH7501C622	7.5K 1/16W 5 D.R/TP
		R373	0RH3901C622	3.9K 1/16W 5 D.R/TP
		R374	0RH0752C622	75 1/16W 5 D.R/TP
		R375	0RH0752C622	75 1/16W 5 D.R/TP
		R376	0RH0752C622	75 1/16W 5 D.R/TP
		R377	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R378	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R379	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R3K1	0RH0000C622	0 1/16W 5 D.R/TP
		R401	0RH0331C622	3.3 1/16W 5 D.R/TP
		R402	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R403	0RH4700C622	470 1/16W 5 D.R/TP
		R404	0RH4700C622	470 1/16W 5 D.R/TP
		R405	0RH4700C622	470 1/16W 5 D.R/TP
		R406	0RH4700C622	470 1/16W 5 D.R/TP
		R407	0RH6801C622	6.8K 1/16W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R408	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R409	0RH8201C622	8.2K 1/16W 5 D.R/TP
		R411	0RH8201C622	8.2K 1/16W 5 D.R/TP
		R412	0RH6801C622	6.8K 1/16W 5 D.R/TP
		R413	0RH1502C622	15K 1/16W 5 D.R/TP
		R414	0RH5601C622	5.6K 1/16W 5 D.R/TP
		R415	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R416	0RH1502C622	15K 1/16W 5 D.R/TP
		R417	0RH6801C622	6.8K 1/16W 5 D.R/TP
		R418	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R419	0RH1000C622	100 1/16W 5 D.R/TP
		R420	0RH1000C622	100 1/16W 5 D.R/TP
		R425	0RH3300C622	330 1/16W 5 D.R/TP
		R426	0RH2200C622	220 1/16W 5 D.R/TP
		R427	0RH3300C622	330 1/16W 5 D.R/TP
		R428	0RH2200C622	220 1/16W 5 D.R/TP
		R429	0RH0562C622	56 1/16W 5 D.R/TP
		R437	0RH2201C622	2.2K 1/16W 5 D.R/TP
		R438	0RH7501C622	7.5K 1/16W 5 D.R/TP
		R439	0RH1002C622	10K 1/16W 5 D.R/TP
		R501	0RH0000C622	0 1/16W 5 D.R/TP
		R503	0RH4702C622	47K 1/16W 5 D.R/TP
		R504	0RH6800C622	680 1/16W 5 D.R/TP
		R506	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R507	0RH0000C622	0 1/16W 5 D.R/TP
		R508	0RH0000C622	0 1/16W 5 D.R/TP
		R510	0RH3300C622	330 1/16W 5 D.R/TP
		R511	0RH3300C622	330 1/16W 5 D.R/TP
		R512	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R513	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R514	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R517	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R518	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R519	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R524	0RH0000C622	0 1/16W 5 D.R/TP
		R525	0RH0000C622	0 1/16W 5 D.R/TP
		R535	0RH1002C622	10K 1/16W 5 D.R/TP
		R536	0RH1002C622	10K 1/16W 5 D.R/TP
		R537	0RH1002C622	10K 1/16W 5 D.R/TP
		R546	0RH1000C622	100 1/16W 5 D.R/TP
		R547	0RH1000C622	100 1/16W 5 D.R/TP
		R548	0RH1000C622	100 1/16W 5 D.R/TP
		R549	0RH1000C622	100 1/16W 5 D.R/TP
		R550	0RH1000C622	100 1/16W 5 D.R/TP
		R551	0RH1000C622	100 1/16W 5 D.R/TP
		R552	0RH1000C622	100 1/16W 5 D.R/TP
		R553	0RH1000C622	100 1/16W 5 D.R/TP
		R554	0RH1000C622	100 1/16W 5 D.R/TP
		R555	0RH1000C622	100 1/16W 5 D.R/TP
		R557	0RH1000C622	100 1/16W 5 D.R/TP
		R558	0RH1000C622	100 1/16W 5 D.R/TP
		R559	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R560	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R562	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R564	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R565	0RH4702C622	47K 1/16W 5 D.R/TP
		R567	0RH4701C622	4.7K 1/16W 5 D.R/TP
		R569	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R570	0RH1002C622	10K 1/16W 5 D.R/TP
		R571	0RH4702C622	47K 1/16W 5 D.R/TP
		R573	0RH0000C622	0 1/16W 5 D.R/TP
		R574	0RH4701C622	4.7K 1/16W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R575	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R576	0RH4702C622	47K 1/16W 5 D.R/TP
		R577	0RH4702C622	47K 1/16W 5 D.R/TP
		R581	0RH1001C622	1KOHM 1 / 16 W 1608 5.00% D
		R582	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R583	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R584	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R587	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R588	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R589	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R592	0RH0000D622	0 1/10W 5 D.R/TP
		R593	0RH1201C622	1.2K 1/16W 5 D.R/TP
		R596	0RH0000D622	0 1/10W 5 D.R/TP
		R597	0RH0000C622	0 1/16W 5 D.R/TP
		R598	0RH1002C622	10K 1/16W 5 D.R/TP
		R5A1	0RH0000D622	0 1/10W 5 D.R/TP
		R5A2	0RH0000D622	0 1/10W 5 D.R/TP
		R5A3	0RH0000D622	0 1/10W 5 D.R/TP
		R5A4	0RH0000D622	0 1/10W 5 D.R/TP
		R5A5	0RH0000D622	0 1/10W 5 D.R/TP
		R5A6	0RH0000D622	0 1/10W 5 D.R/TP
		R5A7	0RH0000D622	0 1/10W 5 D.R/TP
		R5A8	0RH0000D622	0 1/10W 5 D.R/TP
		R602	0RD0752F608	75 1/6W 5 TA26
		R603	0RD0752F608	75 1/6W 5 TA26
		R605	0RD1001F608	1.0K 1/6W 5 TA26
		R606	0RD1001F608	1.0K 1/6W 5 TA26
		R607	0RD1001F608	1.0K 1/6W 5 TA26
		R608	0RD1001F608	1.0K 1/6W 5 TA26
		R609	0RD1001F608	1.0K 1/6W 5 TA26
		R618	0RD1003F608	100K 1/6W 5 TA26
		R619	0RD1003F608	100K 1/6W 5 TA26
		R620	0RD2200F608	220 1/6W 5 TA26
		R621	0RD2200F608	220 1/6W 5 TA26
		R622	0RD0222F608	22 1/6W 5 TA26
		R6M1	0RD2200F608	220 1/6W 5 TA26
		R6M2	0RD2200F608	220 1/6W 5 TA26
		R6M3	0RD1003F608	100K 1/6W 5 TA26
		R6M4	0RD1003F608	100K 1/6W 5 TA26
		R901	0RD1002F608	10K 1/6W 5 TA26
		R902	0RD3301F608	3.3K 1/6W 5 TA26
		R903	0RD6800F608	680 1/6W 5 TA26
		R904	0RD1201F608	1.2K 1/6W 5 TA26
		R905	0RD1501F608	1.5K 1/6W 5 TA26
		R906	0RD3301F608	3.3K 1/6W 5 TA26
		R907	0RD4701F608	4.7K 1/6W 5 TA26
		R908	0RD1002F608	10K 1/6W 5 TA26
		R909	0RD1002F608	10K 1/6W 5 TA26
		R910	0RD4702F608	47K 1/6W 5 TA26
		R912	0RD8200F608	820 1/6W 5 TA26
		R913	0RD3300F608	330 1/6W 5 TA26
		R914	0RD2200F608	220 1/6W 5 TA26
		R915	0RD1002F608	10K 1/6W 5 TA26
		R916	0RD1002F608	10K 1/6W 5 TA26
		R917	0RD1002F608	10K 1/6W 5 TA26
		R918	0RD1002F608	10K 1/6W 5 TA26
		R919	0RD1002F608	10K 1/6W 5 TA26
		R920	0RD8201F608	8.2K 1/6W 5 TA26
		R921	0RD4702F608	47K 1/6W 5 TA26
		R922	0RD1002F608	10K 1/6W 5 TA26
		R923	0RD8201F608	8.2K 1/6W 5 TA26
		R924	0RD8201F608	8.2K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R925	0RD8201F608	8.2K 1/6W 5 TA26
		R926	0RD1802F608	18K 1/6W 5 TA26
		R927	0RD3902F608	39K 1/6W 5 TA26
		R928	0RD2200F608	220 1/6W 5 TA26
		R931	0RD1002F608	10K 1/6W 5 TA26
		R940	0RD2201F608	2.2K 1/6W 5 TA26
		R941	0RD2201F608	2.2K 1/6W 5 TA26
		R945	0RD1002F608	10K 1/6W 5 TA26
		R947	0RD1002F608	10K 1/6W 5 TA26
REMOCON RECEIVER				
		RC901	6712R1938GA	TSOP2838WE1 TEMIC 19MM 37.9KHZ
SENSOR				
		IC108	657-063A	LTV-817B,PHOTO COUPLER(LITEON)
SWITCH				
		JS901	6600REB001C	SRGPVJX003 J/ALPS NON DC5V 10M
		SW901	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW902	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW903	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW904	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW905	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW906	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW907	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW908	556-219B	THVV502GAA POSTECH NON 12V 5A
		SW909	6600RRB003A	SKQUAA J-ALPS NON 12V 50MA VER
		SW910	556-219B	THVV502GAA POSTECH NON 12V 5A
VARISTOR				
		V101	656-004C	SVC681D-10A SAMHWA 4.O CUT
RESONATOR				
		X301	6202R-BL01A	HC-49/SM5H KONY CHIP 27MHZ 20P
		X501	6212S-AMLCB	CSTCV20.00MXJ040-TC20 MURATA 2
ZENER DIODE				
	OR	ZD101	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD101	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD101	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG
		ZD102	0DZ620009BC	MTZJ6.2B TP ROHM-K DO34 0.5W 5
		ZD605	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
		ZD606	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD635	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD635	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD635	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG
	OR	ZD636	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD636	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD636	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG
	OR	ZD637	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD637	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD637	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG
	OR	ZD638	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZD638	0DZ562609AA	GDZJ5.6B 26MM TP GRANDE DO34
	OR	ZD638	0DZ562609BB	UZ-5.6BSB 26MM TP PYUNG CHANG